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Warren MacEvoy


Professor of Computer Science at Colorado Mesa University

Grand Junction, Colorado Area | Computer Software

Current PermUCode, LLC, Colorado Mesa University, Mesa State College

Previous gjmakerspace, Bureau of Reclamation, Strong Bear, LLC



Education New York University

View profile as 

204 connections



 <https://www.linkedin.com/in/warrenmacevoy>  Contact Info

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 <h3>Organizations</h3> <p>Add more color to your professional identity to show who you are.</p> <p>Add organizations</p>	 <h3>Honors & Awards</h3> <p>Show the recognition you've earned.</p> <p>Add honors & awards</p>
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I create and analyze systems with mathematical and computer models. Much collector, nonlinear phenomena in high-energy lasers, nonlinear interactions in shallow water waves, electro-osmosis and electrophoresis, groundwater modeling, autonomous vehicle navigation, and computer vision. I develop and review security software: AES, Tesla-GPU-accelerated encryption, PRNG's, and RNGs. I...

Add Media:  Document  Photo  Link  Video  Presentation

Experience

Owner
PermUCode, LLC
June 2004 – Present (11 years 5 months)

Profile Strength



All-Star



Microsoft Cloud

This cloud opens one stadium to 450 million fans.

[Expand to see how](#)

Who's Viewed Your Profile

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- ▲ 16** Your rank for profile views improved by 16% in the past 15 days.

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Business Services

Notify your network?

Yes, publish an update to my network about my profile changes. Yes

Computer software engineering, hardware interface design, and computer security consulting firm.

[Add Location](#) ?

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Professor of Computer Science



Colorado Mesa University

September 1996 – Present (19 years 2 months)

[Add Location](#) ?

[Add Description](#) ?

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Professor of Computer Science

Mesa State College

May 1996 – Present (19 years 6 months)

Undergraduate program in Computer Science.

[Add Location](#) ?

▸ 2 projects

▾ 1 recommendation

Matthew Bollinger
Software Engineer

Dr. Warren MacEvoy served as my professor and as my academic advisor during the course of my Computer Science undergraduate education. I have taken many courses instructed by Dr. MacEvoy. I have pursued and explored projects in the field of... [View](#)

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member

gjmakerspace

2012 – 2014 (2 years)

[Add Location](#) ?

[Add Description](#) ?

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Consultant (Industrial Automation)

Bureau of Reclamation

February 2007 – February 2010 (3 years 1 month)

Designed a hardware interface to remote manage a compressor control panel, and PLC (ISAGRAF) software to manage the plant (highline and redlands canal fish screen)

[Add Location](#) ?

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Security design and review.

Strong Bear, LLC

January 2001 – January 2004 (3 years 1 month)

Developed single-threaded AES encryption library suitable for use in an encryption application, and did code review of other developers for security flaws.

[Add Location](#) ?

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Editor

JLicense, Inc.

January 2000 – January 2001 (1 year 1 month)

Revision editor for series of Java training manuals. Substantial revision of three manuals in a series.

[Add Location](#) ?

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NSF Industrial Postdoc

Schlumberger

August 1994 – August 1996 (2 years 1 month)

Mathematical analysis of micro-scale electro-osmosis and electro-phoresis. Developed higher-order corrections to D'arcy flow and new geometric length scales for porous media.

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NSF Industrial Postdoc

New York University

August 1994 – August 1996 (2 years 1 month)

Joint NSF Industrial Postdoc with Schlumberger and Courant Institute of Mathematical Sciences. Analysis of electro-osmosis and electrophoresis.

[Add Location](#) ?

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Research Assistant

Los Alamos National Laboratory

May 1990 – August 1994 (4 years 4 months)

Worked at Center for Nonlinear Studies, Advanced Computer Laboratories, Theoretical Applied Mathematics, and Computing divisions. Developed high performance computing models for nonlinear optics and nonlinear hydrodynamic equations, as well as novel techniques for solving Hamiltonian partial differential equations. Used both scalar and highly parallel (2048 cpu) systems, as well as theoretical tools (inverse scattering techniques and analysis of dispersive systems in the limit of small dispersion)

[Add Location](#) ?

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R&D Engineer (Computer Systems)

McDonnell Douglas Helicopter Company (now Boeing)

May 1988 – September 1988 (5 months)

Worked on CAD (automatic propagation of changes in CAD design).

[Add Location](#) ?

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Add position

Volunteer

President

Denver ACM

January 2000 | Education

Support the rocky mountain regional programming contest, and other CS/stem education efforts in the rocky mountain region.

Opportunities you are looking for:

How would you like to donate your time and talent?

- Joining a nonprofit board
- Skills-based volunteering (pro bono consulting)

Add volunteer experience

Languages

English

Professional working proficiency

Spanish

Elementary proficiency

Add language

Projects

Open Reefs

Starting March 2011

Open Reefs is a website dedicated to the Open Reefs Controllers Project. This project is an effort to produce a viable open source controller and monitoring system for reef tanks that can rival commercial solutions that currently exist. This project is very complex involving many different people and disciplines and Brandon is the owner of the company. Check it out!

► 5 team members, including:

Warren MacEvoy

Professor of Computer Science at Color...

Brandon Bearden

Senior Systems Engineer at Sport Ober...

Jared Sharpe

Joseph Bashe



Whatever Happens, Happens.

DARPA Robotics Challenge

Starting October 2012

Team Mojavaton will, once again, will the Colorado entry in a DARPA challenge. The Robotics Challenge is a contest to design and build a human-size robot that is capable to assisting first responders in the event of a national emergency. The robot must be able to use power tools, climb a ladder, and drive a utility vehicle.

▶ 9 team members, including:

Warren MacEvoy
Professor of Computer Science at Color...

Jim Crittenden
President at Mojavaton LLC

Karl Castleton
Computer Scientist in Grand Junction C...

Dan Councilman

Designing "Buddy" the quadruped.

▶ 7 team members, including:

Warren MacEvoy
Professor of Computer Science at Color...

Jim Crittenden
President at Mojavaton LLC

Michaela Ervin
Programmer at Flow Data, Inc

Skyler Ogden
CEO at Mechanical Solutions LLC

Designing "CogBurn" the quadruped.

January 2014

The team continuing on from the Mojavaton team to create a robot for the DARPA Robotics Challenge (DRC)

▶ 6 team members, including:

Warren MacEvoy
Professor of Computer Science at Color...

Karl Castleton
Computer Scientist in Grand Junction C...

Michaela Ervin
Programmer at Flow Data, Inc






Skyler Ogden
CEO at Mechanical Solutions LLC

Add project

Skills & Endorsements

Top Skills

44	Java	
44	Linux	
38	Computer Science	
31	Programming	
29	C++	

- 20 Computer Security 
- 18 Software Engineering 
- 14 Embedded Systems 
- 13 MySQL 
- 11 Python 

Warren also knows about...

- 10 Computer Vision
- 9 Matlab
- 9 Perl
- 8 Software Development
- 8 C
- 8 Databases
- 7 Research
- 7 Teaching
- 6 Higher Education
- 6 Unix
- 6 Visual Studio
- 5 Security
- 5 High Performance...
- 4 Applied Mathematics
- 4 Analysis
- 3 Statistics
- 3 Student Affairs

Add skill

Education

New York University

Postdoc, Applied Mathematics

1995 – 1996

electro-osmosis and electrophoresis, NSF industrial post-doc

Activities and Societies:

NSF industrial postdoc between NYU/Courant and Shlumberger-Doll Research Center.

[Add Grade ?](#)

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University of Arizona

Ph.D., Applied Mathematics

1989 – 1994

Applied Mathematics, theoretical physics, high performance comuting. MS, PhD

[Add Grade ?](#)

[Add Activities and Societies ?](#)

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Mesa State College

BS, Computer Science, Math, Physics

1985 – 1989

Computer Science, Math, Physics minor (BS)

Activities and Societies:

ACM, Math Club

[Add Grade ?](#)

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Add education

Additional Info

Interests

security, embedded systems, robotics and automation, web application development, system modeling, high performance computing, biking, canoing, snowboarding, climbing, wine-making

Organizations

Association for Computing Machinery

Add organization

Honors & Awards

NSF Industrial Postdoc
WESAS Fellowship
NEEDS Fellowship
WSC Fellowship
13 First place positions in programming competitions
Math, CS, and Physics honor societies

Add honors & awards

Recommendations

Professor of Computer Science
Mesa State College



Matthew Bollinger
Software Engineer

“ Dr. Warren MacEvoy served as my professor and as my academic advisor during the course of my Computer Science undergraduate education. I have taken many courses instructed by Dr. MacEvoy. I have pursued and explored projects in the field of Computer Science with the aid and instruction of Dr. MacEvoy. I have found him to be a caring, sacrificing, brilliant and effective... **more** ”

June 11, 2012, Matthew was Warren's client

Ask to be recommended

Groups



ACM Members
Unlisted Group



Colorado Space ...
Visible ▶



University of Ariz...
Visible ▶



Grit Robotics
Unlisted Group



Official ACM-ICP...
Visible ▶



Colorado Mesa U...
Unlisted Group



University of Ariz...
Unlisted Group

Following

Companies



Mathematical Associ...
Nonprofit Organization Management
✓ Following



Mesa State College
Higher Education
✓ Following



Bureau of Reclamation
Government Administration
✓ Following



Colorado Mesa Univ...
Education Management
✓ Following

Schools



Colorado Mesa Univ...
Grand Junction, Colorado Area
✓ Following



New York University
Greater New York City Area
✓ Following



University of Arizona
Tucson, Arizona Area
✓ Following

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