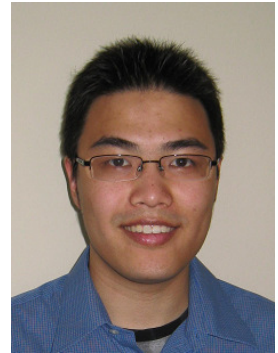


Chen-Ping Yu, Resume

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(585) 576-5839, cxy7452@gmail.com
U.S. Citizen



CAREER GOAL

Computer vision scientist, image analyst, software design engineer.

SUMMARY

Proficient in Matlab
Experienced in Java, C#.NET, C/C++, and VB.NET.

EDUCATION

M.S. – Computer Science and Engineering, 2008 – 2010

Research area: Computer vision and machine learning.

GPA: 3.56 / 4.0

The Pennsylvania State University - University Park, PA

M.S. – Computer Science, 2006 – 2008

Research area: computational neuroscience, biological/computer vision.

GPA: 3.89 / 4.0

Rochester Institute of Technology - Rochester, NY

B.S. – Computer Science, 2000 – 2005

Minor – Psychology.

GPA: 2.71 / 4.0

Rochester Institute of Technology - Rochester, NY

RELATED EXPERIENCES

The Pennsylvania State University, Dept. of Computer Science and Engineering, University Park, PA

Teaching Assistant/Research Assistant (8/2008 – present)

- Assisted in Data Structure and Algorithms, and Intro to Computer Graphics courses.
- Experiment with statistical models in pattern recognition and machine learning.
- Research and develop automatic algorithms in 3D MRI brain tumor segmentation using Matlab.

Carnegie Mellon University, Robotics Institute, Pittsburgh, PA

Research Assistant (5/2009)

- Complete research in 3D neuroimage processing for Computer Aided Diagnosis of Alzheimer's Disease using Matlab.
- Data sorting, validation, and mining using machine learning and pattern recognition techniques.
- Journal paper publication preparation.

Joint Project: University of Rochester / Rochester Institute of Technology, Rochester, NY

Student Research Assistant (12/2006 – 06/2008)

- Developing mathematical and computational models to analyze visual motion with Matlab.
- Building biologically inspired motion sensitive system with Matlab.
- Analyze human visual cortex neuron interactions with the model.

University of Rochester Medical Center, Neurology Department, Rochester, NY

Analyst Programmer Co-op (10/2004 – 11/2006)

- Design, implement, and test research software by working with Quake 3 engine code in C

Monroe County Department of Environmental Services, GIS Division, Rochester, NY

Engineering Aid Co-op (12/2003 – 6/2004)

- Design websites with ASP.NET, CSS, and JavaScript
- Implement FTP software with VB.NET to interact with Microsoft Access database

University of Washington, Computer Science Department, Seattle, WA

Student Research Assistant (6/2003 – 9/2003)

- Implemented automation tools and XML parser with VBscript to work with RRD Tool.
- Studied and researched on the lay out and efficiency of the 3D rendering farm.

HONORS/ACTIVITIES

Penn State University, Department of Computer Science and Engineering

College of Engineering Fellowship (2009)

Rochester Institute of Technology, Department of Computer Science

Outstanding Graduate Student Award (2008)

Graduate Scholarship Grant (2006-2008)

Dean's Lists (2005)

PROFESSIONAL ORGANIZATION MEMBERSHIP

Society for Neuroscience student member

ACM student member

IEEE student member