

Thomas A. Keemon

Boston College • Class of 2010

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Education

Boston College, College of Arts and Sciences; Chestnut Hill, MA – May 2010

- Bachelor of Science in Computer Science (3.360 GPA in major)
- Minor in Mathematics
- Relevant Coursework: Discrete Mathematics, Computational Photography, Computer Organization, Data Structures, Computer Systems Programming, Algorithms, Computer Networking, Computer Architecture, Computer Graphics, Machine Learning, Theory of Computation, Artificial Intelligence, Compilers (audited), Image and Video Understanding, iPhone Application Development
- Senior Honors Thesis: <http://www.keemon.info/research/thesis.php>

Graduate of Stonington High School; Pawcatuck, CT – June 2006

Experience

Boston College Research Assistant – Computer Science Department **Summer 2010**

Swarm Robotics Programming – Professor Robert Signorile

- Developed novel protocols for Bluetooth P2P communication and simulated multicast communication between multiple Lego NXT robots utilizing the leJOS framework.

Boston College Research Assistant – Computer Science Department **2009–2010**

Human Pose Estimation – Professor Hao Jiang

- Project involved determining possibility of generating a 3D human pose from either a single image or multiple images from uncalibrated cameras.
- Experimented with the use of a prior to probabilistically estimate a 3D pose from 2D joint locations.

Boston College Research Assistant – Computer Science Department **2008 – 2009**

Computer Vision and Human Visual Perception – Professor Stella X. Yu

- Responsible for designing, implementing and deploying hardware and software for use in collecting data pertaining to human vision and perception.
- Past projects involved mapping synchrony in the human visual system, generating motion from still images, and facial feature recognition/mapping.

Activities

- Okinawa Shorin Ryu Karate – 2nd Degree Black Belt, Spring 1996 – Spring 2006
- Boy Scouts of America – Eagle Scout, Fall 2000 – Fall 2006
- Boston College Marching Band, Pep Band, Symphonic Band, Fall 2006 – Spring 2010
- Association of Computing Machinery (BC Chapter), Fall 2006 – Spring 2010
- Intramural Soccer, Ice Hockey, Softball, Winter 2007 – Spring 2010
- U13 Youth Soccer Coach (BAYS), Fall 2009 – Present

Skills

- Portfolio: <http://github.com/tkeemon>
- Programming: Java, MATLAB, C/C++, MySQL, HTML, CSS, PHP, Verilog, MIPS Assembly Language, XML, LaTeX, OpenGL, OpenCV, SOAP
- Software: Eclipse IDE, Subversion, Git, Dreamweaver, Photoshop, Microsoft Office, Windows, Mac OS, Linux
- Language: Two years college Chinese (Mandarin), four years high school Spanish