BRENDAN BERMAN

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Security Clearance   Obtained September 2012

EDUCATION

University of Maryland at College Park, A. James Clark Engineering School   **College Park, MD**
B.S., Electrical Engineering   *Expected May 2014*

WORK EXPERIENCE

Berman & Bazell   **Palo Alto, CA**
Co-Founder & Programmer   *May 2013 – Sept 2013*
- Provided software consulting services to small and medium sized companies in the SF Bay area

US Naval Research Laboratory   **Washington, DC**
Electrical Engineering Intern   *May 2012 – Jan 2013*
- Prototyped and developed algorithms to detect, identify and characterize objects of interest in extremely large 3D data files
- Implemented detection, identification and characterization algorithms in C++ using Point Cloud Library
- Worked on a variety of imaging & optics projects

Johns Hopkins University Applied Physics Laboratory   **Laurel, MD**
Software Engineer – Air & Missile Defense Department   *Sept 2008 – Jan 2010*
- Built software utilizing NASA World Wind for the US Navy to track fleet locations and perform operational calculations
- Conducted independent research on artificial intelligence, specifically regarding genetic algorithms

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Robotics at Maryland   **College Park, MD**
Electronics & Software Team Member   *Sept 2013 – present*
- Programmed part of the new state machine being used for the robots AI
- Designed and programmed circuits to process sensor inputs using PIC microcontrollers

Institute of Electrical and Electronics Engineers   **College Park, MD**
Webmaster & Executive Board Member   *Oct 2011 – July 2013*
- Developed and redesigned the IEEE student branch website including the addition of new features for more intuitive use
- Participated in planning of extracurricular engineering events sponsored by IEEE

University of Maryland Senate   **College Park, MD**
Programs, Curricula & Courses Member   *Sept 2012 – May 2013*
- Attended monthly meetings to vote on changes or additions to programs offered by the university

Head Start   **Columbia, MD**
Volunteer Assistant Teacher   *June 2010 – Aug 2010*
- Helped students in mathematics, writing, and creative learning
- Managed the children during recreational activity time

University of Maryland - Intro to Engineering Design   **College Park, MD**
Hovercraft Group Leader   *Aug 2009 – Dec 2009*
- Coordinated team efforts to develop all necessary systems of the hovercraft
- Choose to work with a camera rather than standard light sensors as all previous teams had done

PROFESSIONAL DEVELOPMENT

- **IEEE Student Activity Conference** – April 2012. Attended presentations and participate in electronics competitions
- **IEEE Smart Tech Workshop** – Nov 2012. Participated in the Smart Grid and Power Systems tracks of the conference

DISTINCTIONS

- **IEEE Outstanding Student Award** – 2011-2012 University of Maryland Student Chapter Award

SKILLS

- **Programming:** Python, Go, C++, C, Javascript, MATLAB, SQL, PHP
- **Interests:** Passionate about music, technology, sports, and culture