

JOSEPH CRANDALL

1831 North Hartford Street, Arlington, Virginia 22201

Mobile: 703-232-5835 | Email: jwcrandall@gwmail.gwu.edu | Website: josephcrandall.com

LinkedIn: www.linkedin.com/in/joseph-crandall-67003570 | GitHub ID: [josephcrandall44](https://github.com/josephcrandall44)

EDUCATION

The George Washington University, Washington, DC

Computer Science B.S. candidate

May 2017

Physics B.S. candidate

May 2017

Washington–Lee High School, Arlington, Virginia

International Baccalaureate Full Diploma

May 2012

TECHNICAL SKILLS

- Proficient with Java, C, Unix, Linux, HTML, CSS, JQuery, JavaScript, PHP, MySQL, and LaTeX
- Learning C++, Arduino, and Mathematica

Academic Skills

Laboratory Physics, Modern Physics, Algorithms, Operating Systems, Systems Programming, Artificial Intelligence, Calculus, Ordinary Differential Equations

EXPERIENCE

Computer Science Research Lab Assistant, Washington Dc

November 2015 - Present

The George Washington University

Contacts: Dr. Hyeong-Ah Choi - hachoi11@gmail.com, Dr. Rahul Simha – simha@gwu.edu

- Researching maximizing connectivity between points on unique cyclical orbitals with limited signal distance.
- Funded through NSF to attend Internet of Things (IOT) security conference in, Seoul, South Korea January 2016

Nuclear Physics Research Lab Assistant, Ashburn Virginia

May 2014 – July 2014

The George Washington University

Contacts: Dr. Igor Strakovsky - igor@gwu.edu, Dr. Gary White - gwhite@email.gwu.edu

- Plotted data using PHYSICA software for testing of final-state-interaction code for extraction of neutron pion photoproduction cross sections from the deuteron data

Founder/Developer of Assistance.net, Arlington, Virginia

February 2013 - December 2014

18-month Start Up

- Built a LAMP stack site using laravel framework (source code on GitHub)
- Developed business model for individual service provider market place website
- Organized team of developers; leased office space; incorporated in Delaware; negotiated contracts; set up physical server in Ashburn, Virginia; utilized AWS; produced promotional videos

ACTIVITIES

- Activities Chair, Society of Physics Students, Student Chapter, September 2014 - Present
- Member, Association for Computing Machines, Student Chapter, September 2014 - Present
- Brother, Delta Tau Delta Fraternity, January 2013 - Present