

# John K. Dott

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## EDUCATION

**University of Pittsburgh, Swanson School of Engineering**  
Bachelor of Science in Computer Engineering  
GPA: 3.59/4.00

Expected: August 2018

### Relevant Coursework

Digital Logic	Linear Circuits and Systems Analysis
Data Structures	Analysis and Design of Electronic Circuits
Differential Equations & Linear Algebra	Digital Systems Laboratory

### Plus 3 China Study Abroad Experience

May 2015

- Experience aspects of Chinese culture and business customs through multiple Chinese mobile phone development and production companies such as China Telecom, Huawei, ASA Group, and PHICOMM
- Applied lessons learned through program with a presentation to executives of the Asia Institute

## WORK EXPERIENCE

**Zoll LifeVest, Pittsburgh, PA**

August 2016–Present

Embedded Software Engineering Co-op

- Write bash scripts to automatically test functions of the LifeVest device
- Migrate essential company applications to Docker containers on new host server
- Write Python scripts to analyze large sets of LifeVest user data to assist in internal investigations

**Prudential Financial, Dresher, PA**

June–August 2016

Server Operations Intern

- Researched configuration management tools for potential implementation on an enterprise scale
- Maintained and supported hardware in secure data center
- Wrote scripts to analyze sets of data concerning server inventory

**Realty Landscaping Corporation, Newtown, PA**

May 2016

IT Intern

- Managed a small business's information technology needs
- Provided management with advice on new purchases and technologies within the office
- Wrote documentation for the systems and software the company implements

**HDI Marine, Bensalem, PA**

June 2014–Present

Marine and Cargo Inspector/Administration IT

- Inspect incoming cargo, especially damaged goods, for insurance purposes
- Experience in cold storage facilities and ports
- Manage business website through Joomla

## ACADEMIC PROJECTS

**First-Year Engineering Conference**

April 2015

- Coauthored and presented research paper, *Implementation of Field Programmable Gate Arrays as an Effective Solution to Confidential Defense Technologies*, to audience of industry executives, engineers, and peers

## SKILLS/ACHIEVEMENTS

### Programming:

Java, Python, PHP, HTML, MIPS Assembly, CSS, MATLAB, JavaScript

### Software:

Docker, Eclipse IDE, NetBeans IDE, MARS, Logisim, Microsoft Office Suite

### Achievements:

Dean's Honor List

December 2014 – Present

President, Krav Maga Club

May 2016 – Present

### Certifications:

Firefighter 1 (IFSAC, Pro-Board), Hazardous Materials: Operations Level (IFSAC, Pro-Board), CPR, AED, First Aid

### Clearances:

Transportation Worker Identification Card (TWIC)

## SERVICE

**Volunteer Firefighter, Langhorne-Middletown Fire Company**

June 2012 - Present

- Ongoing training and education in fire science and emergency first-aid
- Respond to emergency calls in and around my community