

SMITH SOPP

Software Engineer

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 /SmithcS

EDUCATION

The Pennsylvania State University
College of Engineering, University Park, PA
B.S. in Computer Engineering
Expected Graduation:
December 2018 GPA: 3.17 | 4.00

EECS Undergraduate Advisory Board
Board Representative for Computer
Engineering Class

SKILLS

Languages

• Python • C++ • C • HTML/CSS • Bash • Java •

Software & Tools

• Git • Adobe Illustrator • Eagle CAD • Inventor
CAD • UNIX • Slack • JIRA •

Expertise

• Blockchain • Microcontrollers • Embedded
Systems •

Other

• Agile Methodology • Public Speaking • Project
Management • Design • ICO Investing •

RELEVANT COURSES

- Intro to Systems Programming
- Operating Systems
- Intro to Computer Architecture
- Digital Logic & Design
- Electronic Circuit Design I
- Communication Networks
- Intro to Probability & Stoch. Processes
- Computer Organization & Design
- Discrete Math

OTHER

• Certified AASI Snowboard Instructor • Artistic
Welding • Painting • Guitar • STEM Advocate &
Educator •

EXPERIENCE

The Vanguard Group

Software Engineer, Intern

May 2017 - Aug 2017, Malvern PA

- Developed robust daily automation software suite (ksh, sql, JIRA API) that generates and maintains all tasks on team workflow service JIRA
- Arranged meetings with Cloud team members to develop foundation in industry Cloud services, along with supplementary AWS training

Rockwell Automation

Embedded Software Engineer, Co-op

May 2016 - Dec 2016, Milwaukee WI

- Designed, implemented, and documented a new remote testing platform from the ground up, including its hardware, software, and packaging
- Established deployment system using Puppet framework for consistent installation and setup of platform for employees
- Coordinated with Rockwell hardware group to facilitate the production of 20 RPiCC units for employees
- Developed on embedded Wind River Linux platform, extending functionality of their testing services and API (Python), creating kernel patches (C), fixing Anomalies (C), and updating hardware EDID files.
- Created numerous scripts (Bash, Python) to expedite project development

Student Space Programs Lab

Program Manager, Student Education

Aug 2015 - Dec 2015, State College PA

- Trained 20 students in design of rocket payload structures, electronics, and software ensuring successful launch and fulfillment of all 24 mission criteria
- Developed team understanding in application of space systems design lifecycle fundamentals resulting in on-time execution of short-cycle launch
- Created and delivered multiple hardware engineering workshops outlining I2C and SPI communication between ICs

LEADERSHIP & PROJECTS

Starboard

2nd Place, Vanguard Corporate Hackathon

Summer 2017, Malvern PA

- Successfully pitched app to CEO & CTO, project put into development with full-time team
- Written using HTML/CSS, Javascript, and Python, utilizes natural language processing through Amazon Lex

HackPSU

Executive Director

2015 - 2017, State College PA

- Coordinated an executive team of 15 in the execution of a collaborative technology, education and innovation event of 600 attendees from over 40 universities
- Organized sponsorship efforts to acquire budget of \$40,000 within 4 month period
- Designed and produced majority of graphics for website, marketing, and general use
- Delivered opening and closing ceremonies speeches in front of entire attendee audience