

Andrew St. Pierre

SOFTWARE ENGINEER

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Education

Purdue University

West Lafayette, IN

B.S. IN COMPUTER ENGINEERING

Aug. 2015 - Dec. 2019

- Focus areas include operating systems, and distributed systems, and embedded systems
- Awarded Honorable Mention at 2018 Purdue ECE Spark Challenge

Experience

Okta Inc.

San Francisco, CA

OPERATIONAL SOFTWARE ENGINEERING INTERN

May 2019 - Aug. 2019

- Responded to production incidents and determined how to prevent them in the future
- Identified and automated manual processes

United Technologies Corp. Aerospace Systems

Westford, MA

FPGA & EMBEDDED SYSTEMS SOFTWARE ENGINEERING INTERN

May 2018 - Aug. 2018

- Designed, tested, and delivered FPGA solution based on customer requirements
- Leveraged a soft-core microprocessor to host a lwIP server to remotely control and debug FPGAs with Arty Dev board

Purdue University

West Lafayette, IN

TA FOR INTRO TO DIGITAL SYSTEM DESIGN

Jan. 2018 - May 2019

- Exercise verbal communication and enthusiasm to be an approachable resource for students
- Conduct lab and hold office hours (10hrs/wk) to field questions regarding course concepts and weekly lab experiments

BAE Systems, Electronic Solutions

Merrimack, NH

SoC SOFTWARE ENGINEERING INTERN

May 2017 - Aug. 2017

- Redesigned application written in MATLAB with Python using the PyQt4 library and Django
- Reduced launch time by over 200% and implemented features requested by team

BAE Systems, Electronic Solutions

Nashua, NH

INFORMATION MANAGEMENT & TECHNOLOGY INTERN

May 2016 - Aug. 2016

- Administered Windows and Linux system troubleshooting
- Serviced Electronic Solutions HQ IT needs using a ticket based system

Skills

Programming	Python, C/C++, Bash, Java, JavaScript, Go, Ruby, ARM Assembly, Verilog/VHDL
Cloud computing	AWS Platform (EC2, S3, IoT), Google Cloud Platform (Kubernetees Engine, Firebase)
Dev tools	Linux distros (Ubuntu*, CentOS, RHEL, DLXOS), Ansible, Atom, vim, Git, Qt
Web	Django, React, Vue, PWAs, HTML/CSS
Methodologies	Agile, test-driven development, paired programming, object-oriented programming

Projects

Development Environment Automation

ANSIBLE, BASH/PYTHON, UBUNTU

- Created an Ansible Playbook with custom roles to provision new Ubuntu development environments with all preferences / configurations

asaintp-webapp

GOOGLE CLOUD PLATFORM APP ENGINE

- Established a scalable development environment on Google Cloud Platform for hobby coding
- Experiment with various GCP tools and resources on back-end, and present them using Django web-framework