Jonathan Searfoss

Personal Info

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⊙ seajon16

in /in/seajon16

Skills

Java (4.5 yrs)

Python (2 yrs)

Git (1 yr)

Docker for Windows (7 mo)

Jenkins (7 mo)

Linux/Bash (1 yr)

JIRA (7 mo)

Eclipse (2.5 yrs)

Honors

Dean's List:
Fall 2016 & Spring 2018;
Spring 2017 & Fall 2017
with Distinction

Paderewski Medal:
June 2015

Extracurriculars

Marching Virginians:
Aug 2016 – Present
Rank Captain, 2018

Hokies Pep Band:
Oct 2016 - Present

Objective

- Leverage my experience with Docker, testing frameworks, and programming languages to gain software design experience through a summer internship

Work Experience

Rackspace Intern/Co-Op: May 2018 – Dec 2018
Shared Services Team, Blacksburg Office

- Ported C#/.NET Service APIs and dependencies to Windows Containers to optimize Jenkins/TeamCity testing system
- Built Jenkins pipelines to run tests via Docker Swarm
- Used Git SCM to track and review code changes using pull requests
- Managed GitHub repo for local API development using Docker
- Saved over $168,000 yearly in VM management costs
- Reduced testing times from ~6 hours to ~8 minutes

Undergraduate Teaching Assistant: Spring 2018 & 2019
Intro to Python, Computer Science Department, Virginia Tech

- Aiding student learning by providing in-class guidance, holding office hours, grading assignments, and offering feedback

Teaching Assistant: June 2017
Marissa Barilka, STEM Fusion Director, Valley View School District

- Supported classroom teacher in implementing a developmentally-appropriate curriculum for middle school students

Projects

Xavier Smart Home: March 2018 – Present (Available on GitHub)
Linux & Python, through Raspberry Pi

- Listens and responds to queries, having IOT and internet-searching capabilities
- Hosts a web server to act as a GUI when outside speaking range

Discord Chat Bot: Oct 2017 – March 2018 (Available on GitHub)
Python, through PyCharm

- Uses object-oriented asynchronous programming to perform various tasks between multiple servers

Education

Virginia Tech: Expected May 2020
BS in Computer Science
Overall GPA – **3.73 / 4**

Relevant Coursework:
- Cloud Software Design: Java EE, Glassfish, NetBeans, Markup, MySQL
- Computer Organization & Systems (Current): Linux, C
- Data Structures and Algorithms: Java, Eclipse

North Pocono High School: Aug 2012 – Jun 2016