John Purviance

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Experience

FSD Software Engineer, Bloomberg LP
New York NY, June 2017 - Present

Data Engineer (Intern), **Capital One**
Dallas TX, June 2016 - August 2016
- Developed REST API for tracking and serving log files with Node.js.
- Built dashboard for visualizing system utilization and job tracking.
- Assigned technical responsibility to team members during migration of intern project to production.

Software Engineer (Intern), **Reinventing Geospatial, Inc.**
Fairfax VA, June 2015 - August 2015
- Removed security vulnerability in REST web application API.
- Built and utilized web API's to simplify user workflows for establishing, managing and accelerating Maps and GIS services.

Software Engineer (Co-Op), **Reinventing Geospatial, Inc.**
Fairfax VA, January 2015 - May 2015
- Designed Python tools for managing GIS Maps caches on Apache.

Software Prototypes

StackCents, Bitcamp, April 2017
- **Amazon Web Services - Best use of AWS Winner**
- Developed distributive cloud application monitoring platform in Python for helping developers reduce cloud hosting costs.

Cafe Connect, Capital One Hackathon, July 2016
- **Mobile / Web App Winner** for creating an iOS and Web App that facilitated communication between Capital One customers and banking ambassadors.
- Developed Node.js REST API for customer request management.

Flex, VTHacks III, February 2016
- **Microsoft API Winner** for use of Azure and Microsoft APIs.
- Designed Python REST API for interfacing with Capital One user accounts.

Hardware Cache Simulation and Algorithm Analysis
- Java-based cache simulation application for algorithm analysis.

Leadership
- Computer Science Mentor, Spring '14, Spring '16, Fall '16 Spring '17

Education

B.S. in **Computer Science**
Virginia Tech, May 2017
Minors in **Math** and **Economics**
Computer Science **GPA : 3.53**

Code

Teaching Assistant, GUI,
Virginia Tech, Fall 2016

ACM-ICPC Programing Team,
Virginia Tech, Fall 2016, Spring 2017

Design

Teaching Assistant, Floral Design,
Virginia Tech, Spring 2016

Research

Crowd Intelligence Lab,
Virginia Tech, Spring 2017

LEWAS Lab, Virginia Tech,
September 2013 – January 2015

Skills

Python, Java, JavaScript, C++, HTML, CSS, Git, and Node.js