John Purviance

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Experience

Software Engineer, Bloomberg LP
New York NY, June 2017 - Present
- Architected and Built scalable annotation platform for extracting securities from instant messages and emails.
- Designed and implemented services in Python, resulting in reduced development time and quicker delivery of crucial infrastructure.
- Python advocate for Mining Applications & Market Transparency.
- Reduced build time for Core Python component by 90%.

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.
- Directed technical responsibilities for new team members.

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

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

Hackathon Wins

Amazon Web Services: Best use of AWS
StackCents, Bitcamp, April 2017
- Developed distributive cloud application monitoring platform in Python that helps developers reduce cloud hosting costs.

Capital One: Mobile - Web App Winner
CafeConnect, Capital One Hackathon, July 2016
- Created Node.js backend for iOS and Web Apps to improve communication between customers and banking ambassadors.

Microsoft API Winner: Best use of Azure
Flex, VTHacks III, February 2016
- Redesigned Capital One online account to help users spend less.

Publications (Authors: R. Kohler, J. Purviance, and K. Luther)

- Supporting Image Geolocation with Diagramming and Crowdsourcing, HCOMP 2017
- GroundTruth: Bringing Together Experts and Crowds for Image Geolocation, HCOMP 2017

Education

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

Teaching Assistant

Intro to GUI, Virginia Tech, Fall 2016

Floral Design, Virginia Tech, Spring 2016

Skills

Python, Java, Docker, JavaScript, HTML, CSS, Git, and Node.js

Mentoring

Recent Grad Mentor, Bloomberg, 2018 - Present

Computer Science Mentor, Virginia Tech, 2016 - 2017