

John Purviance

johnpurviance.com

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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.
- Reduced build time for Core Python component by 90%.

Python Advocate, Bloomberg LP

New York NY, May 2018 - Present

- Bloomberg engineering open source coordinator, PyCon 2019.
- Advise backend service design and application deployment.
- Taught workshops on Python Types, MyPy, and Virtual Environments.
- Designing a framework for the creation of backend services.

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

Capital One: Mobile - Web App Winner

CafeConnect, Capital One Hackathon, July 2016

Microsoft API Winner: Best use of Azure

Flex, VTHacks III, February 2016

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

Mentoring

Recent Grad Mentor, Bloomberg,
2018 - Present

Computer Science Mentor,
Virginia Tech, 2016 - 2017

Skills

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

