

# John Purviance

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johnpurviance.com

jpurviance@vt.edu

## 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 open source coordinator, PyCon 2019, and SciPy 2019.
- Advise backend service design and application deployment.
- Taught workshops on Concurrent Programming in Python, Virtual Environments, Python Types, and MyPy.

### 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

