
EDUCATION

University of Virginia

Charlottesville, VA

B.S. Computer Science

Expected Dec 2019

- Major GPA: 3.54/4.00
- Coursework: Smart Worlds (IoT), Graph Algorithms Research, Cloud Computing, Operating Systems

EXPERIENCE

Facebook

San Francisco, CA

Software Engineer Intern

05/19 – 08/19

- Created API for music browsing in Instagram with Python (Django)
- Implemented backend for creative modes and stickers in Instagram Stories and Direct Messaging
- Refactored Instagram Stickers codebase to reduce data copying and improve code quality

Amazon

Seattle, WA

Software Development Engineer Intern

05/18 – 08/18

- Designed and developed Python tool for fleet deployment of IoT devices with AWS Greengrass
- Streamlined install process for AWS Greengrass, reducing setup time by 5X via package management

University of Virginia

Charlottesville, VA

Undergraduate Researcher

12/18 – present

- Designed and led research project on temporal graph algorithms for analyzing social networks
- Implemented temporal graph simulator to create evolving networks based on class collaboration data

Computer Science Teaching Assistant

08/16 – 12/18

- Mentored students in analysis of algorithms and data structures in Python
- Improved coding comprehension by refining curriculum for Intro to Computer Science

PROJECTS

Sentiment Analyzer

AbeyK.com/Sentiment

- *Winner* of University of Virginia Hack for Humanity Hackathon 2018
- Tool that collects and evaluates historical tweet data using sentiment analysis with Python (Flask)

Social Media Platform

AbeyK.com/Airbae

- *3rd Place Overall* at the University of Virginia Pike Student Entrepreneur Expo 2017
- Social network for airplane passengers to connect with other travelers based on compatibility

SKILLS

Tools: AWS, Git, Mercurial

Languages: Python, C++, C, Java, JavaScript, HTML/CSS