

EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY

Computer Science, B.A.

Expected: Fall 2019

- > CS 162 / Operating Systems*
- > CS 186 / Databases
- > CS 184 / Computer Graphics
- > CS 161 / Computer Security
- > CS 194 / Computer Vision
- > CS 170 / Algorithms
- > CS 100 / Data Science
- > CS 61C / Computer Architecture
- > CS 61B / Data Structures
- > Math 110 / Linear Algebra

* Fall 2019

EXPERIENCE

AKAMAI

Software Engineering Intern

Summer 2019

- > Construct a real-time monitoring system for security specialists to communicate more efficiently during DDoS mitigation. **[Scala, MySQL, Redis]**
- > Research and redesign an entire UI/UX for a security operations application. **[Node.js, React, Redux, Electron]**

FOX NETWORKS

Software Engineering Intern

Summer 2018

- > Deployed a cloud-based analysis tool to perform 24/7 live stream monitoring across 200+ TV stations. **[Node.js, SQL, AWS]**
- > Prototyped an image detection feature for MPEG-DASH and HLS live streams using GStreamer, AWS Rekognition, and DeepLens. **[C, Python, AWS]**

PROJECTS

- > **Pathtracer:** Physically-based renderer that generates images based on 3D COLLADA models and a pathtracing algorithm. **[C++]**
- > **File Storage:** End-to-end encrypted file sharing and storage system utilizing Google UUID. **[Go]**
- > **Image Warping:** Application that uses a series of images to computationally construct mosaics, as well as create a morphing sequence from one image to another. **[Python, OpenCV]**
- > **Colorizer:** Data visualization platform that classifies an entire artist's discography into specific colors based on user input using Spotify's API. **[Node.js, React, Three.js]**
- > **AudioCrawler:** LSTM classifier that reliably identifies music genres based on audio spectrograms. **[Python, Keras]**

SKILLS

- > LANGUAGES: Java, C, C++, Python, JavaScript, HTML, CSS, Go, SQL, Scala
- > TECHNOLOGIES: Node.js, React, Redux, Spark, Pandas, AWS