

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

- > Created frontend features for security specialists to optimize workflow for DDoS mitigation. **[React, Redux, Electron]**
- > Architected a database with CRUD endpoints to further organize both customer and internal data. **[Scala, MySQL]**
- > Designed a RESTful search API for Akamai tools used to assess customer data. **[Node.js, React, Redux]**
- > Implemented a real-time monitoring system for more efficient communication amongst security specialists. **[Node.js]**

FOX NETWORKS

Software Engineering Intern

Summer 2018

- > Deployed a cloud-based analysis tool to perform 24/7 real-time monitoring across 200+ TV stations, networks, and live streams. **[Node.js, AWS]**
- > Constructed a data pipeline in order to visualize data analytics and improve consistency. **[Node.js, Splunk]**
- > 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]**

* Clickable link provided

SKILLS

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