Chris Tian

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Education

University of California, Irvine, *Irvine, CA* — **September 2019 – June 2022 (expected)**

B.S. in Computer Science
GPA: 3.85
Major GPA: 3.96
Relevant Coursework:
  Programming in C++ as a Second Language, Discrete Mathematics for Computer Science, Linear Algebra

Work Experience

Software Engineering Intern, *Anomali Inc.*, Redwood City — **June 2019 – September 2019 and June 2018 – August 2018**

Developed daily trending malware entity/indicator discovery system **(Python)**
Maintained and enhanced machine learning-based threat detection software
Analyzed large data sources (27 TB+) using **Apache Spark** and **Databricks**
Created a data analysis and visualization tool **(Vue.js, Eclipse Vert.x, WebSockets)**

Summer Intern, *Teachly Inc.*, Remote — **June 2017 – August 2017**

Translated **Sketch** mockups into functional and responsive **HTML**+**SASS** pages
Built API endpoints using **Ember.js, Ember-data, Sequelize, and Postgres**
Practiced Agile development with **Jira, GitHub, Slack**

Projects

chronovod

Worked with a YouTube channel with 220k+ subscribers and 117m+ views
Built a video editing web app for creating highlight videos from livestream VODs **(Flask, jQuery)**
Designed and implemented a distributed background video rendering system **(Docker, FFmpeg, AWS EC2, ECS, Lambda)**
Single-handedly dramatically decreased video rendering time and cost through efficient use of the AWS platform
Implemented a VALORANT gameplay highlight detection system **(Python, NumPy, Keras, AWS SageMaker)**

chronodocker

Open source Docker container
AWS ECS task for stitching together video clips **(Python, FFmpeg, S3)**
Based on code from chronovod project
github.com/ctian1/chronodocker

Packer Travel Organizer

Personal project with friends
Built endpoint security across all API endpoints **(Auth0, express-jwt)**
Developed features using **React, Semantic UI, Express.js**
Added Friend and Notification system **(React, Mongoose)**
Set up unified code linting system **(ESLint)**

Novirus

Contact tracing application
iOS app that tracks the user's location and displays potential infectious contact with other sick users
Designed iOS frontend with **React Native, Mapbox, Sketch** and built backend using **Flask**

Skills

Languages

Python, Java, JavaScript/Node.js, SQL, HTML/CSS, C++, Bash, Go, LaTeX

Technologies and Frameworks

AWS (EC2, Lambda, ECS, SageMaker, S3, CloudWatch, CloudFront), React, React Native, Expo, Vue.js, Flask, Express.js, OpenCV, Apache Spark, Expo.js, Docker

September 23, 2020