

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

November 2019 – September 2020

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

September 2020

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

August 2019 – September 2019

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

January 2020

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, S3, CloudWatch, CloudFront), React, React Native, Expo, Vue.js, Flask, Express.js, OpenCV, Apache Spark, Expo.js, Docker

September 23, 2020