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**
     Developed daily trending malware entity/indicator discovery system **(Python)**   **and June 2018 – August 2018**
     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 ECS)**

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