

# Allen Tran

Software Engineer | Boba Enjoyer | Sunnyvale, CA | allentran08@gmail.com | 408-507-0031 | [LinkedIn](#) | [GitHub](#)

## EDUCATION

**San Jose State University** | B.S. Computer Science

**Graduation Date: May 2023**

GPA: **3.91/4.0**

**Leadership & Involvement:** Public Relations Officer at SJSU Engineering Society | [ICPC Participant](#) at Competitive Programming Club | [TikTok](#) educating thousands on how to code (**1.2M+ views**) | Mastercard Mentorship Mentee

## EXPERIENCE

### Capital One

Incoming Software Engineer Intern

Summer 2022

Chicago, IL

### Cadent TV

Software Engineer Intern

March 2022 – Present

San Jose, CA

- Built **full-stack diagnostics dashboard** that visualizes advertisement metric delivery on customer campaigns
- Merged code into production** allowing developers company-wide to use my dashboard and **save 15% of debugging**
- Spearheaded entire design process of system architecture & **was approved by the director of engineering**
- Graphed **several million data points** by building 2 new microservices that efficiently query data from Google Cloud
- Technologies used: **Google Cloud BigQuery, Java Spring Boot, Angular, TypeScript, amCharts**

### Software & Computer Engineering Society

Software Development Officer

September 2021 – Present

San Jose, CA

- Replaced **gRPC infrastructure** with **REST API** to fix 2D & 3D printing services used by **1,500+ club members**
- Leveraged cloud-based queue system to read **S3 hosted files**, increasing PDF size support from **256KB** to **10MB**
- Implemented **unit tests** across frontend pages using **stubs**, speeding code deployment by 15% & reducing bug tickets
- Technologies used: **AWS SQS & S3, Node.js, Express.js, Sinon.js, Mocha.js, OpenVPN, Express.js**

### IBM

Good Tech Scholar

June 2021 – August 2021

Remote

- Designed & delivered **Google Chrome extension** that compares products based on energy efficiency metrics
- Leveraged **IBM cloud tools & BestBuy API** to securely fetch product information to place on frontend
- Queried & stored product data into cloud database through orchestrating **Node-RED flow functions**
- Technologies used: **Node-RED, Cloudant DB, JavaScript, React.js, CloudFoundry, Git**

### San Jose State University

Software Engineer Intern

June 2021 – August 2021

San Jose, CA

- Designed and built out **data warehouse** containing valuable information of **2,000+ rows** for logging event history
- Developed web dashboard to visualize aggregated data, allowing the executive board to make informed decisions
- Built **CI/CD pipeline** allowing developers to automatically deploy pushed code & **reducing dependency size by 25%**
- Constructed **ETL functions** with **python lambda scripting** to automate data streaming into RDS
- Technologies used: **Python, Node.js, Express.js, React.js, TypeScript, Next.js, AWS Lambda, GitHub Actions**

## PROJECTS

### Minted – Node Module | [GitHub](#) | [NPM](#)

January 2022

- Published custom **Node.js module** on NPM that speeds up developer workflow receiving 350+ downloads

### Drop It – Google Drive Replica | [GitHub](#)

December 2021

- Individually developed dropbox application allowing users to upload, edit, view, & download files locally
- Constructed Node.js server enabling file upload to **S3 bucket** & user information into **MySQL database**
- Implemented two-factor-authentication with **AWS Cognito & Amplify** to securely log users in & out

### Social Network – Mock FaceBook Program | [GitHub](#)

February 2021

- Utilized **abstraction & data structures** in **Java** to perform CRUD operations to simulate social media features
- Leveraged **hashed dictionaries & graphs** to store account profiles & establish edge connections for mutual friends

## TECHNICAL SKILLS

- Languages:** Python, Java, JavaScript, TypeScript, C++, C#, HTML/CSS
- Tools & Technologies:** Node.js, React.js, Angular, Next.js, Express.js, AWS, Google Cloud Platform, SQL, Git, APIs, Docker, MongoDB, Postgres, Heroku, Postman, REST, Prisma, Mongoose, Firebase, DynamoDB, GraphQL