

ANDREW TA

Austin, Texas | 213-571-6359 | andrewta365@gmail.com | <https://linkedin.com/in/andrewta99>

EDUCATION

University of Southern California	Los Angeles, CA, United States
Master's in Computer Science	August 2022-May 2024

WORK EXPERIENCE

Tesla	Austin, TX, United States
Software Engineer Intern	January 2024-May 2024
<ul style="list-style-type: none">Developed and unit tested a new generation of software with Go programming language to show and collect task results from Tesla's production lines, enhancing lines' efficiency by 40%Collaborated with cross-functional teams to create UI components using React and TypeScript, resulting in clean and maintainable code adhering to coding standardsPerformed code reviews and debugging on a daily basis to ensure code quality of existing and new featuresImplemented a Microservices architecture leveraging Docker, Redis, and Kubernetes, resulting in scalability and streamlined deployment processes	
Amazon	Vancouver, BC
Software Development Engineer Intern	May 2022-August 2022
<ul style="list-style-type: none">Built new features on a case management website on AWS cloud employing React, Typescript, Redux in frontend, and Java in backend REST API, resulting in a 74% increase in customer engagement metricsEngaged in code review and software design sessions to simultaneously contribute to 10 different software repositoriesSet up metrics and logs on AWS CloudWatch, resulting in increased visibility into user behaviorWrote comprehensive unit and integration tests in Jest and Cypress, achieving 93% code coverage	
Stocate	Remote, Canada
Software Developer	August 2021-April 2022
<ul style="list-style-type: none">Led a team of 3 students to integrate online shopping into a startup's platform, using React, JavaScript for frontend and C# and PostgreSQL for backend, resulting in a 40% increase in sales and customer engagementEmployed GitHub Actions to automate deployment and Google Cloud for efficient and scalable deployment, streamlining development and release processesSetup testing frameworks and added unit tests and integration tests for the UI	
IBM	Remote, Canada
Software Engineer Intern	May 2021-August 2021
<ul style="list-style-type: none">Collaborated with multiple teams to develop data analysis and advertising generation software for banks and airlines, utilizing Go for backend and Python for data analysisDeployed software on IBM cloud with Docker and implemented a CI/CD pipeline with GitHub and Travis CI, resulting in a 50% reduction in deployment timeWrote unit tests in Pytest and performed code review, resulting in 95% code coverage and ensuring high-quality code	
Ciena	Remote, Canada
Full Stack Developer Intern	September 2020-December 2020
<ul style="list-style-type: none">Built a website to collect and visualize data generated by lab machines, leveraging Python and Flask for backend and React and JavaScript for frontend, resulting in a 60% reduction in analysis timeUtilized JavaScript libraries to generate interactive and dynamic plots, improving data visualization and analysisIntegrated web sockets to push new data from backend to frontend in real-time, enabling faster and more efficient experimentation and data analysis	

TECHNICAL SKILLS

React, JavaScript, TypeScript, Python, Java, Golang, C/C++, C#, PostgreSQL, SQL, AWS, Docker, Kubernetes, Redis, HTML, CSS, Rest API, Debugging, Algorithms, Data Structures, Machine Learning, Problem Solving, Communication