Alex Tsang

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EDUCATION

UNIVERSITY OF MICHIGAN   *Ann Arbor, MI*
Bachelor of Science Engineering (BSE) in Computer Science   *May 2023*
Cumulative GPA: 3.6/4.0
Coursework: Discrete Mathematics, Data Structures & Algorithms, Computer Organization, Foundations of Computer Science, Intro to Machine Learning, Web Systems, Software Development, Operating Systems

MOUNTAIN VIEW HIGH SCHOOL   *Mountain View, CA*
Weighted GPA: 4.37/4.00, Test Scores: ACT: 34/36   *May 2019*

WORK EXPERIENCE

Amazon   *Seattle, WA*
Software Development Engineer I Intern   *May 2021 – Aug 2021*
- Worked as part of the Automated Marketing Hydra Vendor Proxy Team
- Primarily coded in Java with experience using dependency injection Guice, Spring and Singleton design patterns
- Migrated legacy server application to serverless AWS Lambda architecture
- Developed a microservice architecture for scheduled CloudWatch events
- Built step function architecture and components with Lambda, ECS, ECR, Fargate, and S3
- Implemented ECS Fargate tasks for processing and validating customer requests
- Deployed DynamoDB tables and created corresponding data access objects for developer use
- Successfully completed the assigned project and presented results to extended team
- Participated in monthly sprint planning and daily stand up meetings

GuideSpark   *Redwood City, CA*
Marketing Intern   *Jun 2019 – Aug 2019*
- Updated new client information in internal database
- Created reports in Salesforce to measure quarterly KPIs such as net churn, ARR, and upsells
- Researched competition and compiled reports analyzing competitor data for marketing team
- Established training documentation to assist and accelerate new hire onboarding
- Wrote VBA scripts in Excel to organize client data and run statistical analysis on platform adoption rates
- Refreshed company website using WordPress

Safeway   *Mountain View, CA*
Courtesy Clerk   *Apr 2018 – Sep 2018*
- Provided high quality service to customers and trained new hires in everyday responsibilities
- Worked collaboratively with co-workers to maintain store

ACTIVITIES

THETA CAPITAL   *Ann Arbor, MI*
Director of Recruitment and Analyst   *Dec 2019 – Present*
- Founding member of Theta Capital, a finance group based around investment education of stocks and other financial instruments
- Led recruiting board, responsible for recruitment, conducting interviews and selection of new members
- Analyzed multiple factors in companies searching for future value and creating profitable trades
- Assessed and determined the possible risks associated with investments

High School/College Tutor   *Mountain View CA, Ann Arbor, MI, Remote*
Tutor   *Jan 2018 – Dec 2020*
- High School: Chemistry, Geometry, Algebra, Trigonometry, Calculus, Physics, Biology, and Computer Science
- College: Chemistry, Multivariable Calculus, and Computer Science

ADDITIONAL

Technical Skills: MongoDB • Java • JavaScript • HTML/CSS • C++ • React • jQuery • Node.js • Express.js
Awards: Certificate of Special Congressional Recognition (Received from CA Rep. Anna Eshoo)