

Tyler Howard

Enthusiastic Software Engineer Eager to Contribute

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WORK EXPERIENCE

Web Development And Digital Services - Los Angeles, CA

Freelance Developer

February 2022 - Current

- Develop, host, and maintain website portfolios for businesses and individuals local to Los Angeles.
- Provide professional photography and video services for head-shots and audition self-taping in LA.
- Skills: React.js, Next.js, Node.js, Tailwind, Docker, CloudFront, S3, Typescript, HTML, CSS.

Amazon Global Expansions - Austin, TX

Software Development Engineer

August 2020 - February 2022

- Led the launch of Amazon services in new global markets that convert around 1 million transactions per month of Amazon purchases to accounting entries in new countries (e.g. www.amazon.pl, www.amazon.eg, and more).
- Develop a platform of tools to manage erroneous accounting entries. Implemented functionalities for validation, retries, lookup, and automated metrics/triage.
- Created generalized models and an accompanying intake service of frequently used tax code that cuts down dev time on 90% of new country expansions.
- Skills: Java, CloudFormation, Javascript, Angular.js, Spring, AWS, Lambda, Step Functions, EC2, Scrum.

Amazon Advertising - New York, NY (Manhattan)

Software Development Engineer Intern

June 2019 - September 2019

- Created AWS Fargate prototyping environment to stress-test a throughput of 100,000 TPS for various database streaming solutions.
- Developed automated bench-marking that helped investigate trade-offs of different back-end implementations. The suggested solution provided approximately 20% in annual cost savings.
- Skills: Java, Docker, Redis, Kafka, ECS Fargate, SNS, SQS, SQL.

Amazon Alexa Automotive - Seattle, WA (Headquarters)

Software Development Engineer Intern

June 2018 - September 2018

- Design and develop an Android testing suite that simulates driving. Introduced to design patterns, CI/CD via code pipelines, and Agile workflow.
- Allowed bugs that were previously impossible for engineers to replicate to now be reproducible in seconds from any location.
- Created a facial recognition app to create a device checkout system. Utilized by ~50 devs coordinating hundreds of phones and devices.
- Skills: Android, Git, Bash, JIRA, Python, Sklearn, DynamoDB, REST, Debugging, Unit Tests, Agile.

PREFERRED SKILLS

Java ●●●●●
Python ●●●●●

AWS ●●●●●
Spring ●●●●●

Javascript/Typescript ●●●●●
Docker ●●●●●

EDUCATION

Temple University

Bachelor of Science in Computer Science - 3.7 GPA

May 2024

- Recipient of President's Scholarship (Full Tuition + Stipends)
- Member of Temple's Honors College
- Study Abroad for Artificial Intelligence at the University of New South Wales in Sydney, Australia