

Sam Millar

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EDUCATION

Arizona State University
Bachelor of Science in Computer Science

Tempe, AZ
Aug. 2016 – May 2020

EXPERIENCE

Software Engineer

June 2020 – Present

Applied Materials

Phoenix, AZ

- Lead Front End Developer for new Tool Management application suite that provides customer engineers with a real-time decision tree for maintenance, integration, and data collection
 - * Built web based application using TypeScript to process complex inputs of decision trees to display clear step-by-step instructions for completing tasks efficiently
 - * Created historical report applications to analyze collected data, reduce redundancy, and increase efficiency
- Modernized 10 legacy analytical applications using Angular that significantly increased performance and responsiveness
 - * Enhanced data visualization applications to efficiently process terabytes of data each day
 - * Designed converter of application inputs to support backwards compatibility

Client Services Intern

Feb. 2019 – Dec. 2019

Elevate Tickets

Tempe, AZ

- Used JavaScript to create dashboard to aggregate and display important sales metrics to clients
- Developed ticketing software and Angular front-end payment processing web pages
- Executed SQL queries to locate and debug code base resulting in 20% less service requests
- Traveled to job sites to educate end-users on using proprietary software in high stress environments

Computer Science Tutor

Jan 2020 – June 2020

Arizona State University

Tempe, AZ

- Tutored ASU Engineering students on the core concepts and fundamentals of the Computer Science program
- Organized mock interviews and resume workshops to better prepare students for the industry

PROJECTS

Amazon, Gamification of Surveys | *JavaScript, HTML, CSS, DynamoDB, Amazon S3* Sep 2019 – May 2020

- Senior capstone project working with Amazon to increase engagement with their Sellers Survey system
- Developed full-stack web application using JavaScript, HTML, and CSS as the front end
- Utilized Amazon S3 for hosting and DynamoDB as the database for storing collected user data
- Ran A/B Testing with 100 Users resulting in 80% more engagement with surveys

Tristan Michele Marketing | *JavaScript, HTML, CSS, Bootstrap*

Jan 2021- Present

- Upgraded outdated website to a Bootstrap website using JavaScript to enhance UX/UI
- Improved SEO which increased website traffic and new client consultations by 75%
- Supports mobile, tablet, and desktop responsive CSS

Shop Local | *Swift*

Sep 2019 – Dec 2019

- Developed an iOS mobile application that encouraged local spending and increased small business traffic
- Utilized open source libraries such as Weather API, Yelp Reviews API, and Apple's MapKit

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, HTML, CSS, Java, C++, SQL (Postgres, NoSQL)

Frameworks/Libraries: Angular, Node.js, Infragistics, Bootstrap, Jest, JUnit

Developer Tools: VS Code, Postman, Jira, Git, Bash, XCode, Eclipse, Azure TFS, Amazon AWS / S3

OTHER

Hobbies: Hiking, Running, Cooking