# Matthew Wong

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## EDUCATION

**Arizona State University**
Computer Science, B.S
*2016 – 2020*

## SKILLS

*Languages*

- C++, Java, SQL, Swift, Python, Javascript

*Technologies*

- AWS, EC2, Git, Unix/Linux, Agile, JIRA

*Frameworks*

- React.js, Node.js, Rails, Express, MongoDB,

## EXPERIENCE

### Amazon | Software Development Engineer I
*February 2020 - Present*

- Improved gross sales by 10% after using internal APIs to translate products to seller's native languages.
- Decreased time to generate reports for 85,000 sellers by implementing multiple data transformers for a report system.

### Rockford Corporation | Software Developer Intern
*Tempe, AZ / September 2018 – December 2019*

- Unified multiple segregated and buggy applications by designing the full stack for a new app using Firebase, React Native, and Redux.
- Improved the average rating from 1.90 to 2.72 and reduced customer support calls for PerfectTune Android from 10 per month to 1 by analyzing customer complaints and redeveloped critical functionality in a matter of three weeks.
- Reduced query time for a critical product testing database by over 100% after excess inner joins were removed due to a complete redesign from OracleSQL to MongoDB.
- Enhanced code legibility and efficiency by completely rewriting an Arduino codebase, implementing a task scheduler and coding practices.

## PROJECTS

### General Dynamics | Senior Year Capstone Project
*Tempe, AZ / February 2019 – December 2019*

- Pioneered the future of deployments in General Dynamics by designing a multi-cloud, vendor agnostic solution with Azure, AWS, Docker, and Ansible.
- Designed and programmed the front-end for an application to be presented to key staff at General Dynamics with React and OpenLayers by leading the front-end division in a team of 6.
- Increased productivity throughout the team through the use of KANBAN and Agile tools as the scrum master.

### Roulette Simulator | Python & C++
*August 2019 – Present*

- Roulette Simulator is a recently started passion project to develop a machine learning algorithm that can win in Roulette.

### OpenChef | Rails & Vue.js
*February 2019 - Present*

- Engineered a matchmaking system for people who want to eat out—but don't want to dine alone. A personal full stack project made using Rails and Vue.js.