

WILLIAM YIM

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EDUCATION

California Polytechnic State University, San Luis Obispo

06/2019

Bachelor of Science, Computer Science

GPA: **3.9** (Major: **3.97**)

EXPERIENCE

Microsoft

August 2019 - Present

Software Development Engineer

Redmond, WA

- Created widgets using Typescript, ReactJS, and Redux to provide business insights visuals to 5,000+ daily sellers and leaders.
- Created C# .NET Core service with GraphQL APIs, shipped using Docker in Azure Kubernetes, to serve data to widgets.
- Implemented multiple data processing frameworks to ingest and transform data to serve our widgets and other downstream consumers of our data.
- Increased P99 of reliability and performance of widgets across the whole stack by **5x**, by optimizing the ETL processes, APIs, and frontend.

Amazon Web Services

June 2018 - September 2018

Software Development Engineer Intern

Seattle, WA

- Created serverless custom metrics library and infrastructure through AWS Lambda.
- Implemented custom metrics into several AWS Greengrass backend services.
- Removed existing AWS CloudWatch dependency to improve metrics latency and reliability.
- Improved team's on-call operations by making it easier to diagnose issues

Amazon Prime

February 2017 - January 2019

Junior Software Developer

San Luis Obispo, CA

- Coordinated with external teams and designed solution to reduce failure rate of a highly impacted service by **15%**, and latency by **1000 ms**.
- Implemented multiple scalable processors and performed load testing and tuning to achieve benefit usage recording rate of **30 million/day**.
- Created a dynamically configurable rate limiter library to limit execution rate of asynchronous calls for team's services.
- Implemented several APIs for our team's benefit recording system.

PROJECTS

Kitchen Companion

Java

- Web application where the user inputs ingredients, and is returned the top recipes filtered by percentage of matching ingredients. Developed core business and database logic

SKILLS

Languages

C#, Java, TypeScript, Python, Scala, SQL, C

Other

Azure, ReactJS, GraphQL, Node.js, Redux, Unix, Kubernetes, Apache Spark, AWS