

EDUCATION

CALIFORNIA POLYTECHNIC UNIVERSITY: SAN LUIS OBISPO
COMPUTER SCIENCE

EXPERIENCE

MICROSOFT : SOFTWARE ENGINEER SEPTEMBER 2018 - PRESENT

- Bing User Inference Pipeline:
 - Generate and serve inferences for all bing users (450M+ MAU)
 - Built inference visualization and query tooling (React.js, Redux, Azure)
- Bing Knowledge Graph Data Pipeline:
 - Designed internal sports ontology schema
 - Powered historical sports game experience for NBA, NHL, and MLB in Bing (100M+ monthly impressions)
- Enterprise Knowledge Graph: Built knowledge assistant to increase efficiency in customer call-centers

AMAZON VIDEO: SDE INTERN JUNE 2017 - SEPTEMBER 2017

- Designed and built real-time log monitoring service for all internal services (custom ELK stack on AWS)
- Wrote fullstack resumable multipart file upload service for internal asset manager (Backbone.js, Java, DynamoDB, S3)
 - Reduced upload time from 1-2 days -> 20min

POLYRIDES: FULL STACK ENGINEER JUNE 2016 - JUNE 2017

- Platform for college ride-sharing Facebook pages
- React.js, Redux, Firebase application that pairs riders and drivers based on trip searching algorithm and compatibility
- <https://github.com/calebhskim/poly-rides-web>

GODADDY: SOFTWARE ENGINEERING INTERN SUMMER 2015, SUMMER 2016, WINTER 2017/18

- Built new Dashboard for website builder product suite (React.js, Redux)
 - MVP launch in three weeks
 - Single click Facebook Page creation feature
- Prototyped and compared internal Node.js web platforms
 - Wrote custom middleware and services to handle authentication and connect to mssql stored procedures and SOAP back ends. Deploy app to Openstack using Ansible
 - Reduced on-boarding process to API platform from 1 week to 1-2 days
- Wrote REST API wrapper for legacy Shopper Cart SOAP service
 - > 95% test coverage with mocha.js and sinon.js
- Built market competition pricing visualization prototype of Locu business data (Google Maps API, Bootstrap)

PROJECTS

WAVES SPRING 2016

- Social compatibility application based on Spotify music habits
- <https://github.com/calebhskim/waves>

OBD2 ENGINE ANALYTICS SUMMER 2015

- Real-time engine diagnostics tool interfacing with a WiFi - OBD2 reader

SKILLS

Languages: Javascript, C#, Java, Python, C

Services/Libraries/Frameworks: React.js, Redux, Azure, AWS, dotnet, node.js

INVOLVEMENTS AND INTERESTS

- 2nd place GoDaddy internal hackathon - Summer 2016
- 1st place Microsoft coding competition - Cal Poly September 2015