

Albert Zhong

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Education

University of Washington, Seattle, WA
B.S Computer Science

Sept. 2019—June 2022
GPA: 3.79

- Activities: UW ACM, ICPC, DubHacks, The Data Open (Citadel Securities)
- Relevant Coursework: Data Structures & Parallelism, Algorithms, Machine Learning, Software Design & Implementation, The Hardware/Software Interface, Honors Calculus & Linear Algebra

Work Experience

Software Engineer Intern
Pulumi Corporation

June 2020—Sept. 2020
Seattle, WA

- Contributed to Pulumi, an open-source platform that enables developers to declaratively define and provision cloud infrastructure using familiar programming languages
- Built and shipped a code generator in Go that produces strongly-typed Kubernetes CustomResources based on CustomResourceDefinitions (CRDs), allowing engineers to easily manage complex CRDs
- Auto-generated Pulumi libraries in TypeScript, Python, Go, and C# for 150+ Kubernetes Operators
- Latest releases: github.com/pulumi/crd2pulumi, github.com/pulumi/pulumi-kubernetes-crds

Projects

ecoBay (1st place at the Caltech hackathon)
devpost.com/software/ecobay

Mar. 2020
Pasadena, CA

- First place winner at HackTech 2020 for Best Environment & Sustainability Hack
- Created a Chrome extension that parsed shopping pages with Google Cloud NLP and returned similar, but local eBay products to minimize carbon emissions from shipping
- Wrote a Python API that queried item listings from eBay and a JavaScript frontend to render them

Quadrangle
github.com/albert-zhong/quadrangle-me

Dec. 2019

- Launched quadrangle.me, an anonymous online forum for verified college students
- Built backend forum software and email verification using Python and Django
- Used modified preorder traversal trees to efficiently load comments from a PostgreSQL backend

Seagull
github.com/albert-zhong/seagull

Sept. 2019

- Implemented a linear regression model to predict personality traits based on public tweets
- Wrote a Python wrapper to stream training data from the Twitter API to a MySQL database

Software Skills

Programming Languages
Backend Frameworks & Tools
Frontend Frameworks & Tools

Python, Go, Java, JavaScript, TypeScript
Django, PostgreSQL, Kubernetes, AWS, Git
React.js, Redux, jQuery, AJAX, HTML/CSS, Bootstrap