

Zaidaan Shibuya

206-694-9177 | zaidaanshibuya206@gmail.com | linkedin.com/in/zaidaanshibuya | github.com/ZayShib

Education

| | |
|--|--|
| University of Washington Bachelor of Science in Computer Science <i>Relevant Coursework:</i> Object Oriented Programming, Discrete Math, Software Development, Statistics, Matrix Algebra, Data Structures and Algorithms | GPA: 3.43 September 2025 – March 2027 |
|--|--|

Experience

| | |
|--|-------------|
| Full-Stack Developer <i>Alaba LLC</i> | Jan 2024 |
| | Seattle, WA |
| <ul style="list-style-type: none">Built a full-stack rental management system using Flask, React, and Firebase with role-based user access.Integrated real-time database sync and automated workflows to streamline rent payments and requests.Implemented secure authentication and authorization (JWT + Firebase Auth) to improve reliability. | |
| Full-Stack Developer <i>Fryzone</i> | May 2024 |
| | Seattle, WA |
| <ul style="list-style-type: none">Developed and deployed a responsive restaurant ordering platform integrating Square and Toast APIs.Designed RESTful endpoints and order tracking dashboards with live status updates for administrators.Utilized MongoDB for scalable data storage and implemented CI/CD pipelines with Git for deployment. | |

Technical Projects

| | |
|--|------------------------|
| Black-Scholes Option Pricing Model <i>Python, LaTeX, Schwab API, Supabase, Fast API, React, Flask</i> | October 2025 – Present |
| <ul style="list-style-type: none">Engineered a Python-based option pricing engine using the Black–Scholes PDE and stochastic models.Implemented Monte Carlo and finite-difference methods for derivative pricing simulationsIntegrated Schwab API for real-time market data ingestion and automated volatility calibration.Automated generation of daily analytical reports using LaTeX and Supabase for persistence. | |
| Rental Portal <i>Python, Flask, React, PostgreSQL, Stripe API, Firebase Auth</i> | April 2025 – July 2025 |
| <ul style="list-style-type: none">Built a full-stack rental management platform using Flask and React with role-based access control.Implemented secure authentication with Firebase Auth and JWT plus integrated rent tracking.Optimized PostgreSQL queries and containerized the backend for scalable, efficient performance. | |
| Restaurant Ordering System <i>HTML, CSS, JavaScript, Square API, MongoDB, Git</i> | May 2024 – August 2024 |
| <ul style="list-style-type: none">Developed a responsive restaurant ordering site with Square and Toast APIs for real-time payments.Used MongoDB for efficient data storage and retrieval of customer orders and transaction history.Automated version control and deployment workflows using Git for faster updates and reduced downtime. | |

Extracurricular Involvement

UW Tacoma GitHired Officer – Active Member

Collaborate with peers on projects and participate in hackathons focused on data-driven web apps.

Technical Skills

Languages: Python, Java, JavaScript, HTML, CSS, SQL, C/C++, Bash, R

Frameworks: React, Flask, Node.js, Express, Tailwind, JUnit, Pytest

Developer Tools: Git, GitHub, Docker, Firebase, VS Code, IntelliJ, Ubuntu, LaTeX

Cloud & Deployment: AWS, Google Cloud, Supabase, PostgreSQL, MongoDB

APIs & Integrations: REST, GraphQL, Stripe, Square, Toast, Doordash/Uber/Grubhub