

Lyzi Diamond

Portland, Oregon

website: lyzidiamond.com
github: [lyzidiamond](https://github.com/lyzidiamond)
phone: (510) 504-4949
email: lyzidiamond@gmail.com

EXPERIENCE

Mapbox, Portland, OR (remote)

— *Software Engineer, Navigation*

MARCH 2017 - SEPTEMBER 2018

- Developed and built a client-side routing & navigation application in C++ to enable accurate off-route detection and offline routing using the Valhalla routing engine/open source project
- Created an automated QA test suite for our native navigation application in Node and C++ to measure off-route detection quality
- Directed the writing of documentation, contributing guidelines, and readmes for navigation products to increase active developers
- Maintained >95% test coverage and clean commit histories
- Contributed to roadmap and break tasks down into actionable tickets
- Built and maintained the Mapbox Directions APIs (Node, Express) with a focus on turn-by-turn guidance
- Onboarded new hires with “How Mapbox Works” technical deep dives

— *Education Lead; Support & Documentation Lead*

JANUARY 2015 - FEBRUARY 2017

- Created and maintained technical product documentation, narrative guides/tutorials, and reference apps to highlight best practices
- Hired, managed, and trained 10 new support engineers (bringing headcount to 12) answering ~300 customer questions per week
- Trained users on Mapbox tools through workshops, webinars, courses, trainings, and university lectures
- Built automated scripts in Node to analyze customer support data
- Facilitated an API documentation overhaul and the creation of an open source API documentation tool ([docbox](#))

Maptime, San Francisco, CA — *Co-Founder & Executive Director*

SEPTEMBER 2013 - JULY 2016

- Grew geospatial developer community to 80+ international chapters
- Provided teaching materials and resources for chapter leadership
- Frequently led tutorials and workshops

Code for America, San Francisco, CA — *2014 Fellow, Lexington*

JANUARY 2014 - NOVEMBER 2014

- Managed civic technology projects directly with the Mayor’s office in Lexington, KY
- Trained city officials on local mapping with OpenStreetMap
- Contributed documentation and code to 15+ open source projects

EDUCATION

University of Oregon, 2011

Bachelor of Science

Departmental Honors

Major: Geography (GIS)

Major: Planning, Public Policy, and Management

SKILLS

Teaching and public speaking

Node.js, C++, Python/Flask, HTML/CSS/JavaScript

Git, Jekyll, Markdown, SQL, designing and consuming, automated software testing, HTTP/web protocols

Mapbox APIs and SDKs, Leaflet, Shapely, Turf.js, ArcGIS, QGIS, GDAL/OGR2OGR

SAMPLE PROJECTS

Mapbox API Documentation - consolidated, wrote, and structured all web services documentation

How the internet works - a short article explaining requests, responses, APIs, and tools for making requests and getting responses from APIs

route-to-geojson - a command line tool for translating a Mapbox Directions API response into GeoJSON

message-forward - an Express app built with Twilio that allows you to send a message to a random stranger and get a message in return

