

# Lyzi Diamond

Portland, Oregon

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