# Hazel Court

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AWS, GCP, Java, Javascript, Python, Go

## Open Source

### BikeHopper
A FREE AND OPEN SOURCE BIKE-TRANSIT ROUTER FOR THE BAY AREA

*github.com/bikehopper*
*Jan 2022 - present*

- Co-authored a **multi-criteria bike-to-transit routing engine**, forked from GraphHopper.

- Co-authored a React frontend to display **beautiful bike and transit routes**.

## Full-time

### Mapbox
SENIOR SOFTWARE ENGINEER, PLATFORM

*remote*
*Sept 2019 - Jan 2022*

- Domain expert for **Mapbox's API platform**, a layer of AWS ECS compute clusters highly customized to balance cost and stability on EC2 and Fargate Spot. Examples of our automation include an on-demand safety trigger, instance selection suggestions, and team-by-team cost reporting.

- Planned and authored the API platform observability suite, using events to generate **structured logs, EMF metrics, and dashboards**.

- Created onboarding and on-call training resources, interviewed and mentored new teammates, and planned the team's biyearly goals.

### Uber
SOFTWARE ENGINEER, CLOUD TEAM

*San Francisco, CA*
*October 2015 - Sept 2019*

- Tech lead on **Uber's first production cloud infra stack**. Drove alignment with service owners, deployed and productionized infra stack, and created policy for this new environment. This stack now supports over **100,000 service cores**.

- Tech lead on high-priority migration of **70,000 service cores** from legacy hardware to the new cloud stack, adhering to hard deadlines.

- Tech lead on Uber's cloud IaaS platform, a set of **goalstate-driven Go microservices** in an ultra-low-dependency environment.

- Designed, implemented, and maintained the team's principle **MVCS Java service** to deliver fully-functional Uber infra zones on EC2.

- Represented my team in **cross-org collaborations** to create Uber's next-gen foundational infrastructure.

- Co-founded an **internal resource group** for supporting gender minorities in infrastructure roles.

- Designed, implemented, and maintained a Java service to reliably create golden AWS AMIs for vagrant developer environments.

## Education

### University of Chicago
BACHELOR OF SCIENCE IN COMPUTER SCIENCE

*Chicago, IL*
*June 2015*