

# Will Haley

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<https://willhaley.com>

## RECENT EXPERIENCE

### University of Chicago: CTDS, Chicago — *Lead Software Engineer*

February 2021 - Present

Coordinated resources, application design, and worked with collaborators on the U.S. Government's NIH HEAL Data Platform. Maintained and enhanced Python and Golang APIs and SDKs. Supported community-facing interactions. Helped steer open source initiatives and internal engineering practices.

### Journera, Inc., Chicago — *Technical Lead*

November 2016 - February 2021

Built B2B client portal in Ember and Bootstrap with Redux store and Golang REST APIs to back it. Built and enhanced Golang Docker microservices in streaming data pipeline. Built internal React admin UIs. Introduced GraphQL for internal tools. Created operational email APIs, auditing APIs, translation system. Collaborate closely with product, devops, and commercial teams.

### HomeFinder.com, Chicago — *Sr. Software Engineer*

June 2011 - November 2016

Enhanced the PHP back end APIs. Implemented initial web map search UI and APIs. Rewrote mobile site. Implemented site redesign. Worked with pre-framework era JS. Co-wrote iOS Objective-C app. Used Express, MongoDB, Linode, and RubyMotion for OpenHomePro internal startup.

## EDUCATION

### DePaul University, Chicago — *B.S. Computer Science*

June 2004 - March 2009

Graduated *magna cum laude*. Volunteered with the tech literacy club at a local homeless organization. Studied abroad in Dublin, Ireland.

## VOLUNTEERING

### Bike Lane Uprising — *Volunteer Engineer*

2018 - Present

Built Firebase (node) app with React/Redux client to explore public data with Elasticsearch and Firestore. Automated Fastlane workflow for React Native iOS deployments in GitHub Actions. Coordinated iOS app launch. Consult with the founder for technical considerations.

### Northside College Prep — *Robotics Software Mentor*

2016 - Present

[ERC](#) volunteer helping high schoolers code to the FIRST® robotics API.

## ABOUT

I love to dabble all over the stack. Open source software is my wheelhouse.

## SKILLS

**Frontend:** I love working with designers to plan and build intuitive UIs.

**Backend:** I like to build scalable, secure, stable systems so I can focus on user experiences.

**Mobile:** iOS is my preferred mobile platform. React Native is fun, but I'm taking Swift/SwiftUI courses to get back to basics.

**Electronics:** Robots, Adafruit components, and Raspberry Pi boards often litter my desk.

## LANGUAGES / TOOLING

Golang, ES6, Typescript, Kubernetes, React, React Native, Ember.js, Redux, HTML5, Node.js, CSS3, SASS, Bootstrap, Swift, Fastlane, Vue, Python3, Poetry, GraphQL, Docker, EC2, Kinesis, SQS, DDB, RDS, S3, D3.js, Firebase, GitHub, MySQL, Postgres, Bash, Debian, Arch Linux, Systemd, Vim, VSCode, Golang, Elasticsearch, Honeycomb, Logz