

# Han Lee

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## TECHNICAL PROJECTS

**I-train-tracker** ----- [Github](#) | [Available on Google play](#)

*Android App for tracking Chicago CTA L-trains*

- ▶ Built a native app with React Native
- ▶ Routed with React Navigation and persisted data with Redux Persist

**Chem-lab-note** ----- [Github](#) | [Demo](#)

*Website for chemists to keep their lab notes online*

- ▶ Built a single page web app with AngularJS and a JSON API with Rails
- ▶ Used Angular UI-Router as a routing framework
- ▶ Built Angular custom directives for reusable components

**chem-findr** ----- [Github \(Rails\)](#) | [Github \(React\)](#) | [Demo](#)

*Website for chemists to find a chemical and its properties*

- ▶ Built a single page web app with React and a JSON API with Rails
- ▶ Used Nokogiri and Mechanize to scrape Sigma-Aldrich website

**JournalShare** ----- [Github](#) | [Demo](#)

*Web platform for scientists to share their authored articles*

- ▶ Built a CRUD interface with Ruby on Rails framework
- ▶ Improved user experience with JQuery Ajax
- ▶ Used Devise and Omniauth for user authentication

**bike\_owners** ----- [Github](#) | [Demo](#)

*Web application for bicycle owners to share information about their bikes*

- ▶ Built a MVC framework with Sinatra
- ▶ Designed the database with ActiveRecord associations

**batting\_leaders** ----- [Github](#) | [RubyGems](#)

*RubyGem for checking MLB batting leaders' batting stats on CLI*

- ▶ Built a Command Line Interface app with Object Oriented Ruby

## EXPERIENCE

**AlzCare**, Software Engineering Intern

Menlo Park, CA, Remote *May 2018 - Current*

- ▶ Built unit and e2e testings for a mobile app using Jest and Detox
- ▶ Developed an in-app chat feature using Socket.io

**Novomer Inc.**, Senior Scientist

Rochester, NY, *Jan 2009 - Feb 2018*

- ▶ Create and analyze experiment design using statistical software JMP® to optimize chemical reaction processes

**SKC, Co., Ltd.**, Research Engineer

Suwon, Kyungki, South Korea *Jan 1997- Jun 2000*

- ▶ Formulated coating materials for polyester films

## ABOUT

Url: [tpstar.github.io](http://tpstar.github.io)

Github: [github.com/tpstar](https://github.com/tpstar)

Blogs: [medium.com/@tpstar](https://medium.com/@tpstar)

Linkedin:

[linkedin.com/in/hanlee12](https://linkedin.com/in/hanlee12)

## SUMMARY

Full stack mobile and web developer with academic and industry experience in Chemistry. Passionate about React and React-native

## SKILLS

**Javascript, React, Redux, React-Native, AngularJS, Jest, Detox, Socket.io, JQuery, Ruby on Rails, Sinatra, SQL, HTML, CSS, SASS, Bootstrap, Git, Python, Django, JIRA (Agile)**  
JMP (Statistical Software)

## EDUCATION

### Flatiron School

Full Stack Web Development, Ruby on Rails and JavaScript online program

### University of Chicago

Ph.D. in Inorganic Chemistry

Mechanistic study of catalytic olefin polymerization by novel homogeneous organometallic catalysts

### Yonsei University

M.S. in Organic Chemistry

Synthesis of enantiopure cyclitols

B.S. in Chemistry