

Isaac J. Lee

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*Ember developer looking to grow into team lead position.
Driven to write simple, lasting code and use the latest web technologies.
Pro in continuous learning + communication + collaboration.*

// Goals

- Bring team projects that reach and help a multitude of people to success
- Further develop my passions in teaching and leadership
- Learn best practices from new codebase and share knowledge with community

// Expertise

- **Frontend:** Ember, D3, React, Redux, Sass, Materialize
- **Backend:** Node, Express, AWS S3, Google APIs, SQL
- **Extras:** QUnit, QUnit DOM, Git, Atlassian, GitHub, Heroku, LaTeX, Markdown, Matlab
- **Moreover:** Leadership, Public Speaking, Teaching, Team Building

// Education

The Coding Boot Camp at UT Austin
Certificate in Full Stack Web Development

July 2017 – October 2017

freeCodeCamp
Certificate in Front End Development

July 2017 – September 2017

The University of Texas at Austin
PhD in Computational Science, Engineering, and Mathematics (ABD)
MSc in Computational Science, Engineering, and Mathematics

- 3.88 GPA

August 2010 – December 2015

University of Kentucky
BSc in Mathematics, BSc in Computer Science (Double Degree)

- Minors in Psychology, Statistics
- 3.98 GPA (summa cum laude)

August 2006 – May 2010

// Professional Experience

Identity Automation
Senior SaaS UI Developer

November 2017 – Present

- Lead frontend architect since November 2018
- Year 1 Achievements
 - Converted 8 flagship applications from Adobe Flex to Ember.js
 - Lead developer for 4 Ember-D3 applications
 - Mentored 3 junior developers
 - Increased team velocity by 40% (matched output of lead developer with 10+ YOE)
 - Employee of the Quarter Spotlight Award, Q2 2018
- Ember (Concurrency, Data, Exam, Mirage, QUnit, QUnit DOM), D3, Nearley, Sass

Institute for Computational Engineering and Sciences

August 2010 – December 2015

Graduate Research & Teaching Assistant

- Developed computational models to solve problems in fracture mechanics, elastoplasticity, and nonograms
- Built isogeometric analysis library in Matlab

Software Verification and Validation Research Lab

January 2010 – May 2010

*Research Assistant***University of Kentucky, Student Support Services**

November 2007 – May 2010

*Math Tutor***University of Kentucky, Department of Mathematics**

August 2007 – May 2010

*Undergraduate Teaching Assistant***// Applications Built (2016 – Present)****Ember Animated Tutorial***Sole Developer*

- Applicant tracking system app to teach animation and predictable data loading in Ember, created for EmberATX
- MVP (with tests!) built in 4 days, with no prior Rails knowledge
- Published tutorial on crunchingnumbers.live
- Ember Data Storefront, Ember Animated, Ember CLI Mirage, Ruby on Rails, Fast JSON API, QUnit DOM, custom resume scoring algorithm
- <https://ember-animated.herokuapp.com/>

LDAP Builder*Sole Developer*

- Helps admins create and visualize complex LDAP filters, created for Identity Automation
- Published tutorial on crunchingnumbers.live
- Ember, Nearley, QUnit, context-free grammar
- <https://ldap-builder.herokuapp.com/>

Lights Out*Sole Developer*

- Logic puzzle game to teach how to use D3 with Ember, created for EmberATX
- Published tutorial on crunchingnumbers.live
- <https://d3-lights-out.herokuapp.com/>

Ember-Roadmap*Sole Developer*

- Test-driven, highly performant visualization tool, created for Identity Automation
- Ember, D3, QUnit, graph theory
- <https://ember-roadmap.herokuapp.com/>

Right to Speak*Lead Developer (team of 8)*

- Assistive communication app developed at ATX Hack for Change

- React Native, React Native Responsive Grid, React Native Speech
- <https://github.com/ijlee2/righttospeak>

Mai

Lead Developer, Scrum Master (team of 5)

- Photo-sharing app that uses cloud solutions to generate stories for users
- React, Redux, Materialize, Node, Express, MySQL, bcrypt, JWT, Dropzone, Amazon S3, Google Cloud Vision
- <https://mai-app.herokuapp.com>

LocALL

Lead Developer, Scrum Master (team of 4)

- Recommendation app for short trips to eat, play, and drink in Austin
- Bootstrap, Firebase, Google Maps, Google Places, probability & spherical geometry
- <https://ijlee2.github.io/LocALL>

Central Austin Toastmasters

Project Lead, Webmaster, Content Writer (team of 10)

- Brand new site that helped my club find 27 new members and reach top 5% in a year
- Implemented club blog, meeting agenda, and member progress report
- <https://www.centralaustin.org>

// Volunteer Experience

Central Austin Toastmasters

August 2015 – Present

President, VP Education, VP Membership, Webmaster

- Key member in transforming a failing club into top, award-winning club in Texas
- Delivered 40+ speeches and 3 one-hour workshops
- Mentored 10+ members and built relations with 15+ clubs

EmberATX

July 2018 – Present

Co-Organizer

- Delivered 3 presentations
- Helped advertise and organize Meetups

Austin Code Mentorship

February 2019 – Present

Mentor

The Ember Times

April 2019 – Present

Editor

- Collaborated with developers worldwide in covering Ember headlines
- <https://blog.emberjs.com/tags/newsletter.html>

District 55 Toastmasters

February 2017 – June 2018

Area K75 Director, Club Coach for Dynamic Public Speakers

- Advised 6 clubs in education, membership, and public relations