Isaac J. Lee

isaacjlee@hotmail.com | (512) 375-9397 | Austin, TX
linkedin.com/in/ijlee2 | github.com/ijlee2 | crunchingnumbers.live

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

// Professional Experience

Identity Automation   November 2017 – Present
Senior SaaS UI Developer

- Lead frontend architect since November 2018
  - Re-architected codebase to follow best practices in Ember, save development time, solve accessibility concerns, and write effective tests
- Year 1 Achievements
  - Converted 8 flagship applications from Adobe Flex to Ember.js
  - Lead developer for 5 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

Institute for Computational Engineering and Sciences   August 2010 – December 2015
Graduate Research & Teaching Assistant

- Developed computational models to solve problems in fracture mechanics
- 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 – EmberATX
Sole Developer
- Applicant tracking system app to teach animation and predictable data loading
- Ember Animated, Ember Data Storefront, Ember CLI Mirage, Ruby on Rails, Fast JSON API, QUnit DOM, custom resume scoring algorithm
- https://ember-animated.herokuapp.com/

LDAP Builder – Identity Automation
Sole Developer
- Helps admins create and visualize complex LDAP filters
- Ember, Nearley, QUnit, context-free grammar
- https://ldap-builder.herokuapp.com/

Lights Out – EmberATX
Sole Developer
- Logic puzzle game to teach how to use D3 with Ember
- https://d3-lights-out.herokuapp.com/

Ember-Roadmap – Identity Automation
Sole Developer
- Test-driven, highly performant tool to visualize DSLs (domain-specific languages)
- Ember, D3, QUnit, graph theory
- https://ember-roadmap.herokuapp.com/

Right to Speak – ATX Hack for Change
Lead Developer (team of 8)
- Assistive communication app developed using React Native and 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

// Education
The Coding Boot Camp at UT Austin   July 2017 – October 2017
Certificate in Full Stack Web Development

freeCodeCamp   July 2017 – September 2017
Certificate in Front End Development

The University of Texas at Austin   August 2010 – December 2015
PhD in Computational Science, Engineering, and Mathematics (ABD)
MSc in Computational Science, Engineering, and Mathematics
- 3.88 GPA

University of Kentucky   August 2006 – May 2010
BSc in Mathematics, BSc in Computer Science (Double Degree)
- Minors in Psychology, Statistics
- 3.98 GPA (summa cum laude)

// 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

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