

Isaac J. Lee

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*Full stack developer with 8.5 year experience in research & teaching.
Driven to write simple, lasting code and utilize 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

Expertise

- **Front End:** HTML 5, CSS 3, Bootstrap 4, Flexbox, Handlebars, Materialize, JavaScript ES7, jQuery, React
- **Back End:** Node, Express, Google APIs, Firebase, MongoDB, Mongoose, PHP, SQL, Sequelize
- **Extras:** C, C++, Java, Matlab, Git, Heroku, LaTeX, Markdown
- **Moreover:** Leadership, Public Speaking, Teaching, Team Building

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, Computer Science (Double Degree)

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

Applications Built

Mai

Team Lead, Lead Developer (team of 4)

- Photo-sharing app that writes stories for you
- <https://mai-app.herokuapp.com>

LocALL

Team Lead, Lead Developer (team of 4)

- Recommendation app for short trips to eat, play, and drink in Austin
- <https://ijlee2.github.io/LocALL>

Central Austin Toastmasters

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

- Helped my club find 27 new members and reach top 5% in one year
- <https://www.centralaustin.org>

Isogeometric Analysis

Sole Developer

- A library that I built to derive phase field models for fracture

Nonograms

Team Lead, Developer (team of 2)

- Developed a new way to solve nonograms using compressive sensing

Tutor Scheduler

Team Lead, Lead Developer (team of 3)

- Helped Student Support Services assign tutors to students

Related Experience

Institute for Computational Engineering and Sciences

August 2010 – Dec 2015

Graduate Research Assistant

- Developed phase field models for fracture, strain gradient models for elastoplasticity, and compressive sensing method for solving nonograms

Graduate Teaching Assistant

- Created 25 Matlab projects to enhance course curricula

Software Verification and Validation Research Lab

January 2010 – May 2010

Research Assistant

University of Kentucky, Student Support Services

November 2007 – May 2010

Math Tutor

- Taught 45 students who are a first-generation student, come from a low-income family, or have a disability

University of Kentucky, Department of Mathematics

August 2007 – May 2010

Undergraduate Teaching Assistant

Volunteer Experience

District 55 Toastmasters

February 2017 – Present

Area K75 Director, Club Coach for Dynamic Public Speakers

Central Austin Toastmasters

August 2015 – Present

Vice President Education, Vice President Membership, Webmaster