Isaac J. Lee

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github.com/ijlee2 | linkedin.com/in/ijlee2 | ijlee2.github.io

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
Project Lead, Lead Developer (team of 4)
- Photo-sharing app that writes stories for you
- https://mai-app.herokuapp.com

LocALL
Project 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
Project 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
Project Lead, Developer (team of 2)
- Developed a new way to solve nonograms using compressive sensing

Tutor Scheduler
Project 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