

Mason Lancaster

Full Stack Software Engineer

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I'm a highly motivated, detail-oriented software engineer who is addicted to learning and delights in collaborating. I love bringing ideas to pixel-perfect full-stack fruition through innovative solutions to challenging issues. I currently work in cross-functional Agile teams with UX designers and tutor in a coding course for underresourced communities. I'm pivoting from a progressive career in academia, where I gained a Ph.D. and worked as an adjunct professor. With a background in education, tech, and customer service, I have a strong foundation in critical thinking, communication, problem-solving, and collaboration which I leverage to deliver excellent software products that enrich lives.

TECHNICAL SKILLS

Languages - JavaScript, HTML, CSS, Python | **Libraries and Frameworks** - React.js, Django, Node.js, Express.js

Databases - PostgreSQL, MySQL, MongoDB, Mongoose | **Other** - AWS S3, REST, API, Agile, Git, Tailwind, Bootstrap, Gatsby, GraphQL

SOFTWARE DEVELOPMENT PROJECTS (All links in portfolio, code on GitHub; see above)

09/2009–02/2023

LaunchPad – Agile Project Development Program – *JavaScript, HTML, CSS, React, Node, 3rd-party APIs*

Jan–Mar 2023

- Used Agile methodology to work in six week-long sprints, prioritizing user stories, conducting daily standups, and weekly feedback retros
- Collaborated with cross-functional team using Agile methodology and Jira
- Developed a full-stack app to facilitate collaboration by junior software engineers and UX designers on hobby projects.

BookIt! – *React, OpenAI API, Google Books API, Express, Node, MongoDB, Mongoose, AdminJS, HTML, CSS, JavaScript, JSON*

Dec 2022

- Launched a full stack single-page React app for users to track and motivate their book-reading goals and progress
- Provided custom AI-generated book recommendations based on users' favorite books using the OpenAI API
- Streamlined user access to books and gorgeous cover images by calling Google Books API

Board Meeting – *Python, AWS API, Django, PostgreSQL, Heroku, HTML, CSS, Materialize*

Nov 2022

- Deployed a full-stack Django web app for organizing board game meetups, including full CRUD functionality for multiple data entities
- Engineered a streamlined and secure user experience using Python and Django for MVT (Model-View-Template) architecture, authentication, and authorization and AWS API for photo upload storage
- Collaborated with development team through excellent communication and equitable agile workflows within a demanding deadline

Moment: A San Diego Date Planner – *Express, Node, MongoDB, Mongoose, HTML, CSS, JavaScript, Google OAuth*

Oct 2022

- Launched a full stack web app allowing users to input date activities and plan specific dates, with full CRUD via RESTful routing

Mancala – *JavaScript, HTML, CSS*

Sept 2022

- Developed a mancala game with human or computer opponent using JS DOM manipulation and CSS for responsive design

The Blessing Home (*volunteer*) – *Squarespace*

2009–2023

- Maximized partnership engagement (20,000+ page views) and financial support by designing and managing the webpage of an Indian orphanage using Squarespace (in partnership with Topher Design)

PROFESSIONAL EXPERIENCE

Mentor (*volunteer*), Code the Dream | Remote

01/2023–Present

Adjunct Professor, Wheaton College, Point Loma Nazarene University, Pacific Theological Seminary, SAIACS

09/2019–08/2022

Director, Boston Healthcare Fellowship | Boston, MA

08/2015–07/2016

Software Trainer and Technical Consultant, Interlaced | San Diego, CA

03/2010–07/2011

- Empowered diverse clientele through best-practice training in Apple software, from entry-level to Pro apps, and robust technical support
- Drove engagement by creating YouTube instructional tech videos reaching 100,000+ viewers and expanding MailChimp customer reach

Software Trainer ("Creative"), Apple | San Diego, CA

06/2007–08/2009

- Pioneered the store's Customer Loyalty program to improve customer delight, based on my exceptional customer satisfaction metrics
- Collaborated with an instructional team to provide world-class instruction on Apple software and hardware

EDUCATION

General Assembly Software Engineering Immersive | Remote

09/2022–12/2022

Full stack software engineering immersive student in an intensive, twelve-week, 450+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies.

Ph.D. in Hebrew Bible / Old Testament | Wheaton College

09/2016–08/2020

Master of Divinity (M.Div), Master of Theology (Th.M.) | Gordon-Conwell Theological Seminary

09/2011–05/2015

Bachelor of Science in Cognitive Science (Neuroscience) | University of California, San Diego

09/2003–06/2007