

Mason Lancaster

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 as a software engineer in higher education, developing full stack solutions for a variety of stakeholders with a special focus on Workday. 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 - Java, JavaScript, HTML, CSS, Python | **Libraries and Frameworks** - React.js, Django, Node.js, Express.js, Workday, Workday Studio | **Databases** - PostgreSQL, MySQL, MongoDB, Mongoose | **Other** - AWS S3, REST, API, Agile, Git/GitHub/BitBucket, Tailwind, Bootstrap, Gatsby, GraphQL

PROFESSIONAL EXPERIENCE

- Software Engineer**, Point Loma Nazarene University | San Diego, CA **05/2023–present**
- Led technical implementation of new third-party service for student conduct and accommodations to streamline services and protect data
 - Built crucial integration to ensure continuing utilization of our Student Success platform after Instructure changed data structures
 - Earned Workday Pro Integrations Administration certification, demonstrating expertise on new development platform within 3 months
- Cohort Instructional Leader**, Code the Dream | Remote **05/2023–present**
- Co-led the Introduction to Programming course for dozens of students from under resourced communities
- Adjunct Professor**, Wheaton College, Point Loma Nazarene University, Pacific Theological Seminary, SALACS **09/2019–present**
- Director**, Boston Healthcare Fellowship | Boston, MA **08/2015–07/2016**
- Software Trainer and Technical Consultant**, Interlaced | San Diego, CA **03/2010–07/2011**
- Software Trainer (“Creative”)**, Apple | San Diego, CA **06/2007–08/2009**

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

- LaunchPad** – Agile Project Development Program – *JavaScript, HTML, CSS, React, Node, 3rd-party APIs* *Jan–Mar 2023*
- 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*
- 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)

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**