

Mason Lancaster

Software Engineer

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PROFESSIONAL EXPERIENCE

- Software Engineer**, Point Loma Nazarene University | San Diego, CA **05/2023–present**
- Optimized and maintained numerous in-house systems, utilizing tools such as Java and a host of AWS services, resulting in a marked increase in security and operational efficiency for university
 - Spearheaded technical implementation of a complex third-party system involving cross-functional stakeholders, significantly enhancing student experience through streamlined services and robust data protection
 - Engineered critical components to ensure seamless continuity of Student Success platform despite major provider data structure changes
 - Secured Workday Pro Integrations Administration and Studio certifications, showcasing a quick mastery of complex development platforms and tools.
 - Supervisor has noted “amazingly impressive” ability to independently take on new engineering challenges to successful completion
- Cohort Instructional Leader**, Code the Dream | Remote **05/2023–present**
- Co-facilitated the Introduction to Programming course, empowering dozens of students from under-resourced communities with foundational coding skills and fostering a dynamic, inclusive learning environment
- Adjunct Professor**, Wheaton College, Point Loma Nazarene University, Pacific Theological Seminary **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**

PUBLICLY AVAILABLE PROJECTS (all links in portfolio, code on GitHub; see above)

- Advent Translation** – *React, Express, Node, MongoDB/Mongoose, Skeleton CSS, Vercel* **Nov 2023**
- Rapidly developed app providing one Hebrew and one Greek verse to translate each day of Advent 2023.
- BookIt!** – *React, OpenAI API, Google Books API, Express, Node, MongoDB, Mongoose, AdminJS, JavaScript* **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
- 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 secure user experience using Python and Django for MVT architecture, authentication, and authorization and AWS API
- Moment: A San Diego Date Planner** – *Express, Node, MongoDB, Mongoose, HTML, CSS, JavaScript, Google OAuth* **Oct 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)

TECHNICAL SKILLS

Languages - Java, Python, JavaScript, HTML, CSS | **Libraries and Frameworks** - React.js, Django, Node.js, Express.js, Workday, Workday Studio | **Databases** - PostgreSQL, MySQL, MongoDB, Mongoose | **Other** - AWS, REST, API, Agile, Git/GitHub/BitBucket, Tailwind, Bootstrap, Gatsby, GraphQL, some Ruby on Rails

EDUCATION

- General Assembly Software Engineering Bootcamp** | Remote **09/2022–12/2022**
- 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**