

MATTHEW ROSS

FULL-STACK SOFTWARE DEVELOPER

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<https://spuuun.github.io/portfolio-site/>

ABOUT ME


I am easily fascinated and intensely curious. As a chaplain, I applied these capacities in the context of human relationships, helping others to find healing and meaningful connection in their relationships with other people and with themselves.

I also love to create. I love to build things, to tinker, to figure out how things are working, and how to repair them when they're not. I was drawn to software development and programming after a friend gave me an Arduino he had laying around. I managed to write enough code to control a small DC motor, and have been hooked ever since. I see my career in software development as an opportunity to be creative, to continually learn new things and technologies, and to build things that serve to connect and help people.

PROJECTS


Means of Production

A single-page tool sharing and project organizing web application, and my front-end capstone project at NSS. Built using React.js and styled using Semantic UI, Means of Production allows users to view and borrow tools registered by other users, and register their own tools for lending. Users are also able to add projects they may be working on and view projects added by other users. I utilized firebase real-time database to allow for persistent data storage, and to enable users to upload their own photos of tools and projects. In the future, I plan to implement the search feature with a mapview (with Mapbox) instead of the list view that is currently implemented.

 github.com/spuuun/capstone-means-of-production

Welcome to Nashville

I worked with 3 other teammates to create an itinerary-building web application. Myself and the group made use of data retrieved from 4 external API's, and exposed that data to the end-user in a searchable format. I was responsible for retrieving and parsing data regarding events and meetups from Eventbrite's API. The user is able to view their search results and add items to their itinerary, which is also displayed. The group also used json-server for persistent data storage, Git and GitHub to manage workflow, and JavaScript/HTML5/CSS to create and style our webpage.

 <http://github.com/nss-day-cohort-34/welcome-to-nashville-death-llamas>

PROFESSIONAL EXPERIENCE

Full-Stack Software Developer

Nashville Software School | July 2019 - January 2020

- Intensive full-time 6-month software development bootcamp focusing on the skills and technologies necessary for a successful career in full-stack web/software development
- Specialized in C#.NET, JavaScript/React.js, and SQL
- Successfully completed a series of group projects which required attentive communication between team members, diligent and flexible design/planning, and fluency increasingly complex concepts and technologies
- Developed web applications in an Agile environment utilizing the Scrum framework
- Completed and presented Means of Production, a single-page application that allows users to share tools and resources as well as plan and organize personal and community construction projects

Chaplain

St. Thomas Health - West Hospital | August 2018 - June 2019

- St. Thomas - West Hospital is a 541-acute-care-bed health care facility in Nashville, TN
- Assessed patient, family, and staff spiritual needs. Supported families in the context of their own faith system (in dealing with illness, trauma, death, and stress; visited newly admitted patients, patients with special requests, and made follow-up visits when appropriate. Provided crisis intervention and de-escalation as necessary; responded to all Code Blue and Trauma Alerts within assigned clinical areas; assisted in helping families remain informed of patient's condition. Documented visits and spiritual assessments in the patients' medical charts.
- Assisted families in using their faith system in coping with death; provides support to the family as appropriate when they view body; assists family in completing all necessary paperwork i.e. death certificate, funeral home release, etc. Supports staff in dealing with their emotion in loss of a patient.
- Educated patients and family regarding Advanced Directives; advised patients on understanding documents related to their healthcare i.e. Living Wills, Power of Attorney.
- Developed working relationships between the department of Pastoral Services and medical staff, nursing staff, and other departments.

Data Processor

TE21 Inc. | September 2017 - June 2018

- TE21 provides assessments and data analytics to schools and school districts with the aim of helping them improve students' performance on state standardized tests
- Generated, assigned, and tracked unique identifiers for incoming and outgoing assessment data
- Developed programs to automate parts of my workflow such as file parsing and conversion, and file upload to the company's SQL Server database
- Wrote SQL queries and stored procedures in service of managing client data and delivering accurate data-analytics to clients
- Communicated with clients to answer questions, troubleshoot and resolve issues, and provide general support when required
- Received and processed daily deliveries of Scantron documents from client schools and school districts - and managed maintenance, repair, and replacement of multiple Scantron machines

Cabinet Maker

Self-employed | September 2012 - October 2018

- Design and build custom cabinetry, working from architectural drawings
- Perform a range of construction tasks including demolition, framing, flooring, and finish carpentry
- Engage in creative problem solving and project management: coordinating the purchase and management of materials; serving as primary point of contact between disparate groups (viz. co-workers, suppliers, and clients); and scheduling work in accordance with projected timelines

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PROFESSIONAL EXPERIENCE CONTINUED

Bartender

Alley 26 | May 2015 - June 2016

- Alley 26 is a craft cocktail and fine dining establishment in downtown Durham, NC*
- Developed written guidelines and procedures for attracting clients interested in private event services, expanding opportunities for staff and promoting the Alley 26 brand
- Edited and revised cocktail related articles for publication
- Made high quality craft cocktails in a fast-paced environment
- Managed bar operations and staff

Chaplain

UNC Health Care | May 2013 - August 2013

- UNC Health Care is a non-profit medical system owned by the state of North Carolina and based in Chapel Hill. UNC Hospital - Chapel is an acute care hospital and Level 1 trauma center with several specialized care units.*
- Provided pastoral and spiritual care to patients, families, as well as medical and hospital staff in the assigned clinical areas of neurology, psychiatry, infectious diseases and intensive care
- Responded to crisis situations, providing support for patients family and staff - covered my clinical areas during regular hours, and the entire hospital during 24-hour on-call shifts.
- Participated in a variety of professional development opportunities, including interdisciplinary learning and praxis

Chaplain

C.A. Dillon Youth Development Center | August 2011 - August 2012

- C.A. Dillon (now closed) was a juvenile detention center facility and part of NC's department of juvenile justice*
- Developed and facilitated programming for 10-20 adolescent male students focusing on the redemptive potential of expression through writing (e.g. poetry, storytelling, music, and autobiography)
- Ensured compliance with institutional standards and policy
- Embodied a supportive and empathetic presence in an environment where violence and distress are ever-present realities

Tutor

America Reads and Counts | August 2010 - May 2011

- America Reads and Counts is a Federal Work Study program that trains undergraduate and graduate students to become tutors in local area public schools*
- Tutored individual students in math and language arts, including students with special needs
- Proctored exams in a small group setting
- Assisted teachers with classroom needs

VOLUNTEER EXPERIENCE

Volunteer Resident

Dismas House | June 2009 - September 2010

- Dismas House is a non-profit halfway house whose mission is to bring about mutual reconciliation between former offenders and society through the development of a supportive community*
- Participated in nightly community dinners and weekly house meetings
- Established a neighborhood garden with partners in the community
- Assisted housemates to accomplish practical tasks such as obtaining drivers' licenses and applying for jobs

EDUCATION

Nashville Software School

Full-stack Web Development Bootcamp

Duke University

Masters of Divinity

Belmont University

B.A., Religion and the Arts