EMMA GRIFFIN

DOTI Advisory Board

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📍 **Denver**

EXPERIENCE

Software Engineer

OneStudyTeam

📅 04/2023 - Present 📍 Remote

Company Description

- Developed and maintained a full stack Clojure/TypeScript microservice architecture.
- Supported automatic PDF and electronic form processing and signatures.
- Managed automated appointment scheduling across services and timezones.
- Produced design documents with comprehensive documentation.
- Handled asynchronous event log publishing via Kafka.

Associate Software Engineer (Clojure)

OneStudyTeam

📅 07/2022 - 04/2023 📍 Remote

Graduate Research Assistant

University of South Florida

📅 01/2022 - 05/2022 📍 Tampa, FL

- Developed a PostgreSQL database for studying U.S. migration based on the ACS PUMS dataset provided by the U.S. Census Bureau.
- Implemented a Ruby on Rails web application with functional JavaScript for data visualization of user's queries.

VDC Engineer

The Whiting-Turner Contracting Company

📅 09/2021 - 01/2022 📍 Tampa, FL

- Automated business processes in Python and Microsoft Flows.
- Optimized Microsoft SQL Server Database queries and tables.
- Programmed and performed extensive testing and debugging of field sensors.
- Contributed to front end development of an internal web application using Clojurescript and JavaScript.

Technology Analyst

Citi

📅 06/2021 - 08/2021 📍 Tampa, FL

- Contributed to full-stack development using Java on the backend
- Utilized Angular and TypeScript on the frontend
- Managed Microsoft SQL Server for the database
- Implemented BASH for shell scripting
- Maintained source control via git
- Handled project management using Jira

Barista

Starbucks

📅 08/2018 - 06/2021 📍 Tampa, FL

CERTIFICATION

Angular Essential Training

LinkedIn

TRAINING / COURSES

Automata Theory

Compilers

Computing Massively Parallel Systems

Data Structures

Database Design

Database Management Systems

Deep Learning

Ethics in Computing

Geometric Modeling

Graduate Algorithms

Graduate Compilers

Object Oriented Software Design

Operating Systems

Principles of Computer Architecture

Software Engineering

AWARDS

💎 **Grace Hopper Celebration Research Scholars**

LANGUAGES

English
Native

🟠🟠🟠🟠🟠

Spanish
Advanced

🟠🟠🟠⚪⚪

EXPERIENCE

Undergraduate Research Assistant
Advancing Machine and Human Reasoning (AMHR) Lab
📅 10/2019 - 12/2020   📍 Tampa, FL

Research Assistant for Machina Arachne Tree-Based Reasoner (MATR). During my time in the AMHR lab.

- Developed a converter for transforming S-Expressions into equivalent LaTeX strings
- Performed full stack development using Reagent (React), Ring, DataScript, Cytoscape, and MathJAX
- Reviewed papers on Conjecture Generation by colleagues
- Conducted research on the subject matter

Student Assistant
NASA - National Aeronautics and Space Administration
📅 06/2019 - 06/2019   📍 Titusville, FL

In my role I

- assisted students working in a team environment for a robotics competition
- mentored students pursuing degrees in STEM fields
- guided students towards solutions in defining algorithms
- helped resolve conflict between team members regarding roles, responsibilities, and distribution of work

Cashier; Dishwasher
Whole Foods Market
📅 08/2014 - 08/2018   📍 Tampa, FL

EDUCATION

Master of Science, Computer Science
University of South Florida
📅 09/2021 - 05/2022

Bachelor of Science - BS, Computer Science with Minor in Mathematics
University of South Florida
📅 01/2018 - 12/2021

VOLUNTEERING

Co-lead - Events & Community Outreach; Federal Boulevard BRT Project Champion
Greater Denver Transit
📅 10/2024 - Present   📍 Denver, CO

Describe the organization or the project you worked on.

Volunteer
Feeding America Tampa Bay
📍 Tampa, FL

Organized and sorted food for distribution to those in need.

Volunteer
Portamento of Hope
📍 Brandon, FL

Served food, cleaned, and took care of animals.

Volunteer
Metropolitan Ministries -
📍 Tampa, FL

Describe the organization or the project you worked on.