

Michael A. Navazhylau

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EDUCATION

University of Missouri, Columbia

College of Engineering

Bachelor of Science, *Computer Science*

Columbia, MO

August 2019 – Present

Expected Graduation of May 2022

WORK EXPERIENCE

Software Engineer Intern

Veterans United Home Loans

Columbia, MO

June 2021 – Present

- Constructed web user interfaces with Angular, which were used by hundreds of loan officers across all 50 states to connect more borrowers with VA loans by searching and visualizing real estate agent data from the company's backend services
- Review other engineers' code daily before it is released for the end user, ensuring consistent code documentation across the company and encouraging knowledge-sharing among developers
- Mentored and onboarded 2 new software engineer hires within a cross-collaborative team, gathering key company resources to facilitate their understanding of the code and software used
- Devise unit tests, mocking, and QA testing plans daily to ensure software quality and stability

Web Developer Intern

Veterans United Home Loans

Columbia, MO

May 2020 – June 2021

- Enhanced C# Windows Services and Web APIs that synchronized customer data between Microsoft Dynamics CRM and Ellie Mae Encompass Loan Origination System, decreasing the time to originate loans by 30% for prospective borrowers across the United States
- Built a C# Web API leveraging the Elasticsearch document database to facilitate faster loan and lead data search times from Microsoft CRM, creating a 40% increase in search speed
- Implemented Web APIs and Windows Services which continuously backed up Microsoft CRM borrower data to a SQL Server instance, decreasing CRM expenses by 70%

Code Coach

theCoderSchool

St. Louis, MO

August 2018 – October 2020

- Tutored 30 students ages 7 to 16 on foundational computer science and programming concepts
- Redesigned curriculum for 2 summer coding camps, 30 weekly tutoring sessions, and 6 classes
- Led project-centric lessons teaching students Python, Scratch, HTML, CSS, and JavaScript

Backend Engineer

PenPath

St. Louis, MO

February 2018 – June 2018

- Architected a PostgreSQL database to aggregate social media metrics and insights for the St. Louis Symphony Orchestra to determine which posts produced highest customer engagement
- Integrated several social media insight API sources such as Twitter, Facebook, Instagram, and Google Analytics into a PostgreSQL database with an hourly-run JavaScript application
- Deployed the PostgreSQL database and Node.JS application to a cloud-based virtual machine, providing a centralized point of data access for social media insight visualizations

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LEADERSHIP EXPERIENCE

Special Interest Group Co-Leader

Columbia, MO

Mizzou Computing Association Web Development Group September 2019 – December 2019

- Created written learning tutorials about full stack web development, designed curriculum for tech talks, and demonstrated real-life projects for students to develop marketable skills of their own

Software Engineer

St. Louis, MO

Parkway Spark

August 2017 – May 2019

- Created software prototype for the St. Louis Zoo that enabled zookeepers to digitally record animal behavior, which was more time effective and eliminated the need for paper-based tracking
- Collaborated with other students to develop a new textbook ecommerce platform using Django and a SQL relational database that enabled users to trade textbooks and share class information
- Developed a blockchain-based cryptocurrency called *Sparkles* to learn more about blockchain technologies

Business Applications Developer

St. Louis, MO

Future Business Leaders of America

August 2015 – May 2016

- Engaged in a restaurant website design competition and ranked 5th out of 30 competitors
- Constructed an educational game using C# and Unity3D engine that taught players business facts
- Produced a business app using Java to track key attendance metrics for FBLA members

SKILLS

Programming Languages - Python, Java, JavaScript, Ruby, C#, C/C++, Elixir, PHP, SQL, TypeScript

Databases - MySQL, SQLite, PostgreSQL, Elasticsearch, MongoDB

Backend Frameworks - Django, Rails, Laravel

Frontend Frameworks - React, Angular, Vue, JQuery

Windows Stack - .NET Framework, .NET Core, ASP.NET, IIS Web Server, Microsoft Azure

DevOps Software - Azure VMs, Azure DevOps, Amazon AWS

Containers and VMs - Docker, Podman, Docker Compose, VMWare

Adobe Suite - Photoshop, Illustrator, XD

Game Development - Unity3D Game Development

AWARDS AND ACCOMPLISHMENTS

- Selected to be the first employee of the St. Louis branch of theCoderSchool
- Competed in the Purina *Better with Pets* Hackathon and won third place for creating a revolutionary peer-to-peer dog-sitting mobile app which I constructed in 48 hours
- Participated in the University of Missouri, St. Louis Cyber Games Cybersecurity competition and won first place for completing the most cybersecurity challenges in the allotted timeframe