MORGAN MCGUIRE

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EDUCATION

The University of Scranton
Scranton, PA

- **Master of Science: Software Engineering**
  Graduation: May 2024 / GPA: 3.86/4.00
- **Bachelor of Science: Computer Science**
  Graduation May 2023 / GPA: 3.77/4.00

SKILLS

- **Languages:** Java, Python, C#, Dart, JavaScript, HTML, CSS

- **Libraries and Frameworks:** ASP.NET Core, Spring MVC, Bootstrap, Flutter SDK

- **Databases:** PostgreSQL, Microsoft SQL Server

- **Version Control:** Git (GitHub, GitLab)

- **Tools:** Android Studio, Visual Studio, Visual Studio Code, Eclipse, Postman

- **Cloud Platform:** Microsoft Azure

PROJECTS

Expansion and Revision of VaryTrade Platform (Master's Thesis Project)

- Incorporated payment options through the PayPal API, and enabled payouts using the Hyperwallet API
- Implemented Google Sign-In using OAuth2.0 protocol for web and mobile applications
- Developed RESTful API using Spring MVC
- Generated JWTs using HS256 algorithm to secure RESTful API
- Developed mobile application with Flutter SDK according to the MVVM design pattern

VaryTrade Web Application (Capstone Project)

- Developed application using Spring MVC
- Employed CSS, Bootstrap, and Thymeleaf to develop UI
- Used PostgreSQL for data storage
- Utilized Spring Security for authentication and authorization
- Incorporated spam and bot protection using Google's reCAPTCHA v3 for form submissions

WORK EXPERIENCE

Sample Database Programmer I at PG Forsta
WFM
August 2024 – Current

- Leverage SQL and T-SQL to clean, transform, and stage data in relational databases as part of end-to-end ETL workflows supporting data warehousing initiatives
- Document ETL logic and transformation rules used in preparing data to ensure reproducibility and clarity for future reference
- Translate non-technical requirements into technical solutions, ensuring alignment with project goals
- Collaborate with project managers to clarify client needs and expectations, optimizing project outcomes
- Participate in daily standup meetings to discuss team progress and set future goals

Product Development Intern at SkillSurvey
Malvern, PA
June 2022 – October 2022

- Developed and performed regression tests for existing software applications
- During regression testing, helped identify critical race condition issue which caused duplicate database records
- Collaborated with a team of other interns and senior developers both on the frontend and backend of a web application, which utilized C#, ASP.NET Core MVC, Entity Framework Core, and RESTful APIs
- Engaged in code reviews with a senior developer to refine coding skills and uphold best practices
- Participated in various activities related to each phase of the software development life cycle
- Contributed to daily standup meetings which involved discussing individual and team progress, as well as setting future goals