Dawit Woldegiorgis

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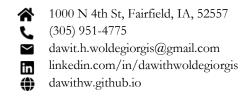dawit.h.woldegiorgis@gmail.com
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SUMMARY

Possess strong academic background with hands-on experience developing desktop, web, and enterprise applications through course projects and contribution to all phases of thee software development life cycle. Great communicator and team player, with experience working effectively in cross-functioning multicultural teams.

EDUCATION

Master of Science in Computer Science
Maharishi International University, Fairfield, IA • June 2020
- **GPA:** 3.85/4.0
- **Extracurricular Activities:** Resident Advisor

Bachelor of Science in Biology, minor Computer Science
University of Florida, Gainesville, FL • December 2015
- **GPA:** 3.58/4.0
- **Awards & Honors:** Florida Academic Scholar, cum laude

SOFTWARE PROJECTS

Investment Management Web Application, Maharishi International University • August 2019
Collaborated as a team to design and develop a MEAN stack web application, which allows investors to buy stocks in small businesses.
- Developed login and sign-up pages, routes, and API services in Angular
- Utilized JWT to implement OAuth for authentication/authorization
- Implemented RESTful services in Node.js to perform CRUD operations of user accounts
- Designed document schema for Investor entity in MonogDB.

Technologies used: HTML5/CSS3, TypeScript, Bootstrap, Angular 7, Node.js, Express.js, Mongoose, MongoDB, GitHub, Postman

Online Shopping Application, Maharishi International University • July 2019
Designed and implemented a full stack Spring Boot application for an e-commerce website, in a small team using iterative development. Included support of inventory management for admin accounts, and cart persistence for logged in users.
- Implemented views, controllers, models, services, and repositories for account and inventory management.
- Designed database schema in MySQL and implemented associated entity relationships using Spring Data REST
- Configured security using Spring Security to integrate authentication, authorization and access-control.

Technologies used: Java, Spring (Boot, Data, JPA, Security), JSP, JPQL, MySQL, HTML5/CSS3, JavaScript, Bootstrap, GitHub, Tomcat

Finance Framework, Maharishi International University • October 2018
Architected, implemented and documented design of a financial framework in a team of two.
- Created UML diagrams to showcase use-cases, entity relationships, flow of operations and design patterns utilized
- Built a demo application in Java to showcase the framework in action.

Technologies used: Java, StarUML, draw.io

Library Management System, Maharishi International University • September 2018
Worked in a team of three to design and implement a desktop application for a library system that allows users to browse and rent books, and library staff to manage book inventory, checkout book loans, and calculate late fees.
- Created UML diagrams to document design and architecture of application.
- Implemented UI in JavaFX, with controllers, services and data storage using core Java.
- Used object serialization to save states to files for data persistence

Technologies used: Java, JavaFX, StarUML

EXPERIENCE

Software Developer Intern
University of Florida, Gainesville FL • October 2014 – April 2015
Worked at Edison lab, a metabolomics research laboratory, as a software developer for a team of non-technical members
- Consult with lab members routinely to analyze needs, extract system requirements, develop project timeline with frequent updates
- Develop software in MATLAB, using scientific analysis and mathematical models to predict, simulate and visualize data.
- Modify existing software to integrate user interface, add new features, support backward compatibility, and improve performance