

Mr. Md Azmain Amin

mdazmainamin@gmail.com

www.linkedin.com/in/azmainamin

540-319-7017

<https://azmainamin.github.io>

<https://github.com/azmainamin>

Education

Georgia Institute of Technology

Master of Science, Computer Science

Specializing in Interactive Intelligence

CGPA : 4.0/4.0

2020- Present

Washington and Lee University

Bachelor of Science with Honors, Computer Science

CGPA/Major GPA: 3.797/3.843

Graduation Year: 2017

Experience

Software Engineer II

EBSCO Information Services

August, 2017 – Present

Durham, North Carolina

- Created a multi-book recommendation system using Word2Vec and Fast Sentence Embedder.
- Created a multilabel classifier to predict metadata about books using book reviews. Created a Flask API to fetch the predicted metadata. Used scikit-learn and Flask.
- Designed and implemented a React based embeddable widget, with a .NET back-end, that our customers can use to render a carousel with books from their library. Directly led to one of our biggest clients to renew their contract.
- Implemented new search functionality for LibraryAware, utilizing SQL Server's full text search capabilities.
- Implemented LibraryAware's new home page to enhance customer adoption of proprietary library specific design templates. Worked on designing the UI, fetching the data using new RESTful APIs and optimizing data pull to reduce load times.
- Overhauled the whole Novelist Select UI, replacing jQuery template-based UI with React that led to increase in revenue and new customer acquisition.
- Designed, implemented and tested API endpoints for Novelist Select to implement Accelerated Reader feature.
- Participate in agile activities to strategize the roadmap of products, focused on client needs.
- Tools Used: C#, .Net MVC, NUnit, JavaScript, React, SQL Server, Jenkins, AWS.

Software Engineering Intern

Xactly Corporation

June, 2017 – August, 2017

San Jose, California

- Add features and write test cases for Xactly Connect (ODBC/JDBC drivers/REST APIs).
- Built a test coverage reporting infrastructure for Connect's unit and integration tests using Clover.
- Tools Used: Java, JUnit, TestNG.

Software Engineering Intern

Continental Utility Solutions Inc. (CUSI)

June, 2016 – September, 2016

Jonesboro, Arkansas

- Implemented core features like 'Quick Pay', 'Swagger interface for APIs' and 'SMS Subscription' in CUSI's Utility Management Software and Payment Portal web app.
- Tools Used: C#, Javascript (ES 6), SQL, Visual Studio, Git, Restful APIs, ASP.NET, Aurelia.

Relevant Projects

Honor Thesis (An automated testing framework for web applications)

Researcher and Author

- Using genetic algorithms to automate efficient test case generation for web app testing based on logged user sessions. Building a modular automated testing framework.

GrubShare (Connects restaurants with excess food with food banks)

Team Lead (for both web-app and Android app)

- Implemented the registration module and integrated arcGIS map API with our web app
- Used Django Framework, JavaScript, arcGIS API, Google Map API and AWS

Leadership

Member, Omicron Delta Kappa (National Honor Society for Leadership)

2016 - 2017

Skills

Computer: Python, Java, JavaScript (ES6), C#, Node.JS, React, SQL Server, GIT, ASP.NET, Android Development, Java WebApp Development, Junit/NUnit, Django, Bootstrap/Materialize CSS, RESTful APIs
Business: Entrepreneurship-(Winner of 4 pitching competitions), Social Entrepreneurship