

MARK LYNCH

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Focused and passionate software engineer with a penchant for solving complex problems, learning new technologies, and team development.

EDUCATION

BS Georgia State University, Computer Science
GPA: 4.04 (Kell Award Recipient)

August 2019

Coursework: Software Engineering, Web Programming, Big Data Programming, Machine Learning, Data Science, Data Visualization, Algorithm Design and Analysis

TECHNICAL SKILLS

Languages and Frameworks:	C# (.NET Core), Python, Java (Spring, Hadoop), JavaScript, HTML, CSS (Bootstrap), PHP, Unix Shell, C
Web Technology:	JavaScript, HTML, CSS (Bootstrap), PHP, Thymeleaf, Spring Boot, .NET
Software:	GitHub, VSTS, Jupyter Notebook, IntelliJ IDEA, Eclipse, Visual Studio, Microsoft Visio
Database Systems:	MySQL

WORK EXPERIENCE

USAN | Software Engineer

October 2019 – Present

- Developed Interactive voice response systems for major, multinational corporations, leading to increases in customer containment and satisfaction.
- Increased developer productivity by building internal automation and testing tools using Python and C#, including web tools utilizing .NET core

Batteries.com | Major Account Sales

June 2016 – May 2017

- Conducted product page maintenance using HTML, and the Bootstrap CSS Framework
- Cultivated relationships with major, nation-wide accounts, facilitating large-scale sales
- Handled CRM system migration and integration, improving workflow for sales team members

PROJECTS

Bacteria Resistance Classifier

February 2019 – May 2019

A classifier designed to identify the resistance of bacteria to Tobramycin and Carbenicillin based on slide images.

- Developed preprocessing and data cleaning techniques in python via Jupyter Notebook
- Tuned TensorFlow hyperparameters for optimal accuracy
- Co-wrote scientific analysis of results in professional latex format

ECMS

May 2018 – August 2018

An online event management system designed to improve the coordination of attendees, travel logistics, and groups across multiple events, hosted using Amazon Web Services.

- Utilized Agile principles to develop user/system requirements, UML diagrams, documentation, and unit tests
- Implemented Java Spring MVC security features, routing, site structure, and interface with MySQL Database
- Developed front-end UI, using Thymeleaf, for both attendee and management views