

# MARK LYNCH

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A focused and passionate software engineer from Atlanta, Georgia, with a penchant for solving complex problems, learning new technologies, and team development.

## EDUCATION

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**BS** Georgia State University, Computer Science  
*GPA: 4.04 (Summa Cum Laude, 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

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<b>Languages and Frameworks:</b>	JavaScript ( <i>React, jQuery, Node.js</i> ), CSS ( <i>Bootstrap, Materialize, Tailwind</i> ), HTML, Python, C# ( <i>.NET Core</i> ), Java ( <i>Spring, Hadoop</i> )
<b>Software:</b>	GitHub, VSTS, Jupyter Notebook, IntelliJ IDEA, Eclipse, Visual Studio, Microsoft Visio
<b>Database Systems:</b>	MySQL, MongoDB

## WORK EXPERIENCE

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**USAN** | Software Engineer

**October 2019 – Present**

- Developed customer-facing web tools utilizing JavaScript with jQuery and Materialize CSS, ASP.NET and MySQL, successfully increasing synergy with customer testing systems.
- Implemented 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 C# and Python, including web tools utilizing .NET core, JavaScript, HTML, and CSS.

**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

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**John Conway's Game of Life**

**January 2021 – March 2021**

John Conway's famous Game of Life recreated in modern React and styled using custom, framework-free CSS.

**Bacteria Resistance Classifier**

**February 2019 – May 2019**

A Python classifier which predicts the resistance of bacteria to Tobramycin and Carbenicillin based on slide images.

- Developed preprocessing techniques, tuned TensorFlow hyperparameters, and cowrote research analysis.

**ECMS**

**May 2018 – August 2018**

An online event management system, developed for Skillshot Media, 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 Thymeleaf UI, Java Spring MVC and MySQL Database interface.