

# DANIEL MUSSIE

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## SUMMARY

I found recently that coding and utilizing technology appeal to many aspects of how enjoy learning and tackle projects. I am embarking on a professional and educational journey as I work to build on my academic and industrial background in applied biology with real-time, immersive, software engineering experience. My time in the lab was extremely invaluable as I learned how to operate in a fast-paced environment that emphasizes communication, group collaboration and client satisfaction. This work required the ability to gain technical expertise quickly and convey that knowledge to others. My working knowledge of the scientific method and my experiences working in highly technical environments leave me uniquely qualified to succeed in the Tech industry. I aspire to excel in this capacity to grow and make a positive impact.

## SKILLS

JavaScript, React.js, Redux-Sagas.js, jQuery.js, Node.js, Material UI, SQL, Express, HTML & CSS, Git, Songkick API, Command Line, Python, Spoken and Written Communication, Independent Research, Microsoft Excel, Public Speaking, Team Collaboration, Creative Thinking, Biological Lab Techniques

## EDUCATION

### Prime Digital Academy

July 2021 – Present

#### Full-Stack Software Engineering

Actively attending this 20-week immersion program where I am building applications utilizing the entire full-stack employing frameworks such as React.js, Redux-Sagas.js, jQuery, Node.js, and SQL. Additionally, preparing a solo project and a group project on behalf of local clients in the Twin Cities.

### Macalester College

May 2017

#### Biology Major

Relevant Coursework:

Introduction to Statistical Modeling, Microbiology, Advanced Genetics, Cellular Biology, Sociology of Race & Ethnicity, Creative Writing, Black Public Intellectuals

Senior Capstone:

Literature review and scientific paper on T cell & Natural Killer cell cancer immunotherapeutic approaches  
Compared the treatment approaches and presented clinical trial data to assist in my analysis  
Presented to the entire Biology Department and fielded questions by professors and fellow students

## Certificates

**Build a Website with HTML, CSS, and Github Pages Skill Path** via *Codecademy*: Issued Jun 2021

**Learn Python 3 Course** via *Codecademy*: Issued Apr 2021

**Learn the Command Line Course** via *Codecademy*: Issued Mar 2021

## EXPERIENCE:

### Full-Stack Development Student

July 2021-Present

- Solo Project:
  - I am creating an application entitled “Where At?”, which enables users to find upcoming concerts in the Minneapolis area.
  - Users will be able to discover what acts are performing in specific local venues they search for, read additional details about the performances, navigate to an event page to purchase tickets, and save shows of interest to a table that user can check and make changes to if needed.
  - The Songkick API contains the data the user can access to find the event data to make an informed decision on attending a show.
  - I am building this application with the JavaScript programming language with the React.js, Redux-Sagas.js, and Node.js frameworks.
  - I am employing the SQL language to communicate with a database to save user data long-term.

- HTML and CSS are also involved along with the Material UI framework to handle webpage layout and styling.

**Manufacturing Laboratory Technician at Wuxi AppTec**

**March 2019-August 2020**

- Led the Environmental Monitoring operations of the Contract Manufacturing Services department, testing workspaces for microbial contamination whilst researching current universal practices to present to the team to improve laboratory production conduct, resulting in a 60% reduction in errors and risk of repeat issues in the production process.
- Created informative PowerPoints and communicated instruction regarding protocols on Microbial Plating practices and testing procedures, reducing the time spent on training new employees.
- Led 4 solution-oriented projects, initiating on-the-spot laboratory investigations, SOP edits, fact-checking batch records and establishing a Kanban system.

**Systems Technician I-III at Genus IntelliGen Technologies**

**July 2017-July 2018**

- Employed pipetting techniques to prepare bovine cellular samples to run through Flow Cytometers.
- Observed samples through fluorescent imaging technology, determining and recording cellular characteristics.
- Regularly interfaced with manufacturing personnel to perform technical maintenance on equipment in the lab.

**ACTIVITIES & VOLUNTEERING**

**Client Outreach with The Plugged App:**

**February 2021 – September 2021**

- Conducted outreach to interested companies and individuals willing to utilize and expand the reach of “The Plugged App,” which aims to connect Black creatives and professionals globally to each other and to advancement opportunities.

**WMCN Macalester College Radio:**

**2015-2017**

- Spoke live on the air about campus event and trends in modern music from cities across the US.

**Macalester College Men of Color Collective:**

**Facilitator 2016-2017, Member 2015-2017**

- Monthly discussions on campus experiences and global events that impact men of color and brainstorming sessions on potential solutions.