# MICHAEL BAYOUK

STUDENT / MASTERS CANDIDATE
[michaelbayo.uk](michaelbayo.uk)

📞 +1 (612) 309-2965

✉ michaelbayouk@gmail.com

in linkedin.com/in/michaelbayouk/

## EDUCATION

**University of Georgia**
*B.S., Computer Science,
Concentration in Artificial Intelligence
Honors Program/Master's Candidate*

August 2017 - May 2021
**North Gwinnett High School**
*AP/Honor Roll Student*

## RELEVANT SKILLS

Front End Development
Back End Development
Java Intermediate
React/JS Intermediate
C/C++ Intermediate
Adobe Premiere Pro
Sony Vegas
Unreal Engine
R Intermediate
Python Intermediate
WebScraping
CSS/HTML
Arduino/Raspberry Pi Intermediate
Google Cloud Platform
Microsoft Office
Unix
Computer Hardware

## CAREER OBJECTIVE

As a member of the Honors College at the University of Georgia, I intend on using my passion for Computer Science to serve as a liaison between current disparities and future developments. Outside of my career as a CS major, I also continue my passion for learning beyond the classroom by working on worthwhile passion projects including web scraping, API fulfillment to website infrastructure, and software development.

## PROFESSIONAL EXPERIENCE

**Target,** *Guest Advocate*                                                              May 2022 – Present
Johns Creek, GA

- Deliver items in a timely manner while maintaining guest satisfaction
- Facilitate seamless in-store and online shopping experiences
- Leverage cutting-edge e-commerce solutions to manage online orders
- Use advanced point-of-sale systems to efficiently process transactions and manage inventory
- Track customer preferences for a personalized shopping experience
- Provide expert guidance on product selection and offer helpful tips on using digital tools
- Exceptional communication skills and a keen eye for detail
- Tech-savvy approach to customer service, ensuring shopper satisfaction and loyalty

**Synchronize,** *Computer Builder*                                                      May 2019 – Present
Johns Creek, GA

- Assembled customer computer built to the specific requirements of the user or customer, or bespoke computer system
- Provided a higher degree of customization and personalization than pre-configured or mass-produced machines, while implying a higher level of quality and attention to detail in the assembly process
- Recommended PC parts depending on user specifications such as price point, software and hardware capabailite, design aesthetics, and beyond
- Positively engaged with customers and maintained a professional appearance as company representative
- Executed tasks within time and budget constraints

### RELEVANT EXPERIENCE
**Collegiate Student Research,** *Researcher*                                             December 2022
**Designed "iTunes API" GUI in Java**
- Project involves utilizing GSON and JSON elements to extract information from the Apple iTunes API in a structured and efficient manner
- Object Oriented Programming principles were applied to reduce code redundancy and improve overall program efficiency
- Comprehensive and informative comments were included in the codebase to document the thought process behind the project's development
- Adequate testing and debugging procedures were implemented to detect and correct errors and anomalies in the project

**Developed an automated Biome Generator using C++**                                      September 2021 - Present

- The project leverages the "Cellular Automata" algorithm to generate complex and intricate biomes with a high degree of automation
- The generated biomes are represented as an array of data that can be easily mapped to textures or different sprites, providing a visually engaging output
- The Biome Generator allows for the generation of maps of varying sizes and dimensions, with the added benefit of random generation of hills or valleys, resulting in a diverse range of landscapes

**Participated in UGA Hacks event and submitted Java/React Project**                      February 2022

- Created a website that determines whether it is more cost effective for the user to fly or drive to a destination input by user
- Project involved multiple group members in an educative yet collaborative format and using git repositories to ensure an effective workflow
- Completed in a time constraint of under 36 hours

## CURRENT PROJECTS

**LANGUAGE STUDY:** German speaking/writing/reading [Beginner Level]
**CS-BASED PROJECT:** Hardware and Software Compatability