

MICHAEL BAYOUK

STUDENT / MASTERS CANDIDATE

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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
Johns Creek, GA

May 2022 - Present

- 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
Johns Creek, GA

May 2019 - Present

- 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 capabilities, 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
Designed "iTunes API" GUI in Java

December 2022

- 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

Member of Small Satellite Research Laboratory Flight Software Team

January 2023 - Present

- Computer vision software library written in C++ and the Nvidia CUDA programming language
- Software currently includes SIFT feature detection, SIFT feature generation, SIFT feature matching, point cloud filtering, 2 view triangulation, N view triangulation, and 2 view bundle adjustment.
- SSRL Swarm Net uses an IP stack to distribute agent state data over a multicast capable network and transfers data from peer to peer. The software is compatible with POSIX compliant systems.
- Bringing national and international recognition to UGA through continuous development of cutting edge technology.

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: Tetris AI Solver, Drone Flight utilizing Computer Vision