John Washburne

johnwashburne.com | 404.615.0565 | johnwashburne@outlook.com
github.com/johnwashburne | linkedin.com/in/john-washburne-jr-973487120

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

BS in Computer Science
August 2020-May 2023 | Atlanta, GA
Concentrations in Intelligence and Modeling/Simulation

CLEMSON UNIVERSITY

BS in Computer Science (Transferred)
August 2019-May 2020 | Clemson, SC
Clemson Honors College
President's List
GPA: 4.0

FELLOWSHIP CHRISTIAN

Grad. May 2019 | Roswell, GA
2 Sport Team Captain
Beta Club and National Honor Society
GPA: 4.41W / ACT: 35

AWARDS

Best Use of MongoDB: Hackyltics 2020
Runner Up: HackSouthernCalifornia 2020
Finalist: VandyHacks 2019
Best WebDev Hack: CUhackit Hello World 2019
2019 US Lacrosse Academic All-American

COURSEWORK

Data Structures
Algorithms
Object-Oriented Programming
Linear Algebra
Multi-variable Calculus
Probability and Statistics
Discrete Mathematics

SKILLS

Python • Java • C++ • C
Machine Learning • Web Scraping
NumPy • SciPy • Flask • C++
Object-Oriented Design • RESTful APIS
HTML/CSS • MVC

EXPERIENCE

NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY | Software Engineering Intern

May 2020 – Sep 2020 | Gaithersburg, MA
- Developed an automated calibration procedure for the Electron Beam Ion Trap instrument
- Extensively used NumPy and SciPy as well as statistical concepts of error, uncertainty, and chi-square goodness of fit to achieve a high level of precision and accuracy in the calibration
- Produced research-quality calibrations for use in scientific publications. (Pending Publication and Co-Authorship)

MOMENTUM MANAGEMENT | Intern

June 2019 - August 2019 | Milton, GA
- Assisted with the implementation of a new management information system.
- Wrote Python scripts to automate archaic data entry roles, merge old datasets, scrape convention center data, and categorize cities by geographic location.

AXIS GROUP | Data Science Intern

January 2019 | Sandy Springs, GA
- Learned various statistical and machine learning methods for interpreting data using scikit-learn and pandas in Python
- Audited training courses and presented a review for upper management team on the quality of each course.

INVOLVEMENT

CUHACKIT | Tech Director

August 2019 – May 2020 | Clemson, SC
Lead a sub-team of developers to organize the annual hackathon hosted by Clemson in January. Responsibilities include development of software for student check-in systems and development of cuhack.it.

CLEMSON CREW ROWING

August 2019 – May 2020 | Clemson, SC
Practiced 2 hours a day, 5 days a week and competed against other universities across the southeast

PROJECTS

LEAD DOG | Intelligent Instagram Analysis

- Accessed Intagram's private API to scrape mass amounts of user data
- Created a support vector machine classifier to determine if a particular account is likely to follow the user back
- Automatically followed accounts most likely to follow the user back

KURATORO | Legal Form Translation

- Designed a web app in Flask for converting PDF immigration forms to accessible web forms, availible in any language supported by the Google translate API
- Utilized Amazon Textract for pulling text and coordinates from legal documents