

John Washburne

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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
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

PROGRAMMING LANGUAGES

Python • Java • C++ • C
HTML • CSS

DATA SCIENCE + ML

NumPy • SciPy • Pandas
Matplotlib • Web Scraping
SciKit-Learn • TensorFlow

MISCELLANEOUS

Flask • RESTful APIs • MVC
Object-Oriented Design

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 | IT 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 cuhackit.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 Instagram'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, available in any language supported by the Google translate API
- Utilized Amazon Textract for pulling text and coordinates from legal documents