John Washburne

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GEORGIA INSTITUTE OF TECHNOLOGY, FALL 2020-SPRING 2023

- Majoring in Computer Science, with concentrations in Artificial Intelligence and Modeling/Simulation

CLEMSON UNIVERSITY HONORS COLLEGE, FALL 2019-SPRING 2020

- 4.0 GPA, President's List Fall 2019, Spring 2020
- CLEMSON ENGINEERS FOR DEVELOPING COUNTRIES: Technical Solutions Team.
- CUhackers: Director of Technology. Lead a sub-team of 8 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 CLUB ROWING TEAM: Practiced 2 hours a day, 5 days a week and competed against other universities across the southeast
- Hackathons Attended:
  - CUhackit HelloWorld 2019: Winner Best WebDev Hack, Student Ticket Exchange Web App
  - VandyHacks 2019: Finalist, Decentralized Cross-Platform Music Queue
  - HackSouthernCalifornia 2020: Runner Up: Equity Vertical. Web app to make important legal forms more accessible to non-English speakers.
  - Hacklytics 2020: Winner: Best Use of MongoDB. A machine learning based approach to growing one's Instagram following

FELLOWSHIP CHRISTIAN SCHOOL, CLASS OF 2019

- 4.41 GPA, ACT: 35, HIGH HONOR ROLL: All 4 years
- BETA CLUB and NATIONAL HONOR SOCIETY: All years possible, National Honor Society Treasurer senior year
- VARSITY LACROSSE: US Lacrosse Academic All-American. 4-year Letterman, Team Captain Junior and Senior season. Received MVP and Leading Scorer Junior Year. Received Top Offensive Player Award, Leading Scorer, and 1st Team All-Area Senior Year. Team reached Elite 8 Senior Year and set school record for wins.
- VARSITY CROSS COUNTRY: 3-year Letterman. Named Team Captain Junior and Senior season. Awarded Most Valuable Runner Junior and Senior season.

TECHNICAL SKILLS

- Proficient in PYTHON (Flask, Pandas, Scikit-learn, Numpy, Web scraping), JAVA, C++, ADOBE CREATIVE SUITE

WORK EXPERIENCE

- NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY: ATOMIC SPECTROSCOPY GROUP: Summer 2020. 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.
- MOMENTUM MANAGEMENT: Summer 2019. Helped 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: January 2019. Data Science Intern. 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.
- FELLOWSHIP CHRISTIAN SCHOOL: 2016 -2018: Marketing Department Intern. Created banners, flyers and motion graphics using Adobe Creative Suite. Worked on special projects including writing a Python script that scraped student addresses, geocoded them, and plotted them on a heatmap to assist in bus route planning.