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EDUCATION

The Ohio State University, Columbus, Ohio; **GPA: 3.94/4.0**

Target Graduation 2021

- Honors Engineering student majoring in Computer Science & Engineering
- Relevant coursework: Software Development and Design, Fundamentals of Engineering Honors I & II
- Water Polo team member, participant in Hack OHI/O and Show OHI/O.

EMPLOYMENT

GE Aviation, Digital Technology Intern, Cincinnati, Ohio

Summer 2018

- Used Nightwatch.js to develop end-to-end automated testing for customer-facing web applications.
- Applied agile methodology to ensure product met specs, even as specs were changing weekly.
- Leveraged knowledge in Nightwatch.js, Docker, and AWS infrastructure.

The Ohio State University, Columbus, Ohio

Summer 2018

- Selected by professor in the Department of Psychology to design and implement a full stack web application and portal for a new 5-year research study.
- Created a web portal for the study's investigators showing data regarding participant activity, a web application for the study's participants to use to access homework and resources.
- Leveraged knowledge in ReactJS, Node.js, MongoDB, and Linux server infrastructure.

GE Aviation, INTERalliance Intern, Cincinnati, Ohio

Summer 2017

- Member of mission-based team to in-source customer facing search, targeting \$300,000 in savings and improving user experience for 40,000 customers.
- Led integration of MongoDB with current search index, helping customers gain access to documents that were previously unsearchable.
- Leveraged knowledge in Java, Apache Solr, MongoDB, AWS, and Git.

ENTREPRENEURSHIP

TicketBay: Lead developer on app for OSU students to sell/buy football tickets (salty.software/ticketbay)

- Communicated with beta testers to optimize user experience, focusing on target audience of students.
- Lead business management for company, including finances and costs for infrastructure and materials.
- Facilitated the transfer of \$44K worth of student tickets between 2,700 users.
- Leveraged knowledge in React Native, Node.js, Python, MongoDB and AWS infrastructure.

SOFTWARE PROJECTS

Parkinson's Disease Tracking App: Brain Health Hack (2018), Best Project at Large

- Developed an Android/iOS application to track a user's tremors to improve effectiveness of medication.
- Integrated noise-reducing algorithms to provide accurate analysis of user's tremors.
- Utilized: React Native, Node.js, Python, JavaScript, mobile device accelerometer interface.

Social Media Trend Aggregator: Hack OHI/O (2017), Best General Software Hack

- Developed an iOS application in 24 hours to aggregate trending topics on Twitter and Instagram.
- Implemented RESTful backend server using Python to collect data from multiple sources.
- Utilized: Python, Swift, AWS infrastructure.

SKILLS

Software: *proficient* in JavaScript, Python, Java, ReactJS, React Native, Node.js, MongoDB, Git, and Nightwatch.js; *familiar* with C, C#, Apache Solr, SQL, Selenium and AWS.