

Zach Boyce

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OBJECTIVE

Seeking a computer science and engineering co-op or internship utilizing programming skills gained from projects and classroom knowledge, available starting May 2021.

EDUCATION

The Ohio State University, Columbus, OH

B.S. Computer Science and Engineering, Design Thinking Minor, Expected Graduation: May, 2023

Overall GPA (4.00 scale): 3.74; Major GPA: 3.745

Achieved Dean's List (>3.5 GPA) 3 semesters

QUALIFICATIONS & SKILLS

Computer and Technical:

- Languages: Java and C++
- IDEs: Eclipse, Visual Studio and IntelliJ IDEA
- Version Control using Git and SVN
- Microsoft Office and Adobe Creative Cloud (Photoshop, After Effects, Premiere and Illustrator)

Coursework Includes:

- Computer Science: Software Development; Object Oriented Programming; Data Structures & Algorithms
- Mathematics: Calculus series; Statistics

RELATED EXPERIENCE/COURSES

Software II

- Foundations of software engineering; design-by-contract principles; mathematical modeling of software functionality; component-based software from client perspective.
- Data representation using hashing, search trees, and linked data structures; algorithms for sorting; using trees for language processing; component interface design

Fundamentals of Engineering II

- Learned effective professional communication skills for engineering, gained experience in Microsoft Excel and MATLAB, the elements of engineering design and knowledge of project management.
- Created a choose your own adventure video game with multiple ending in MATLAB

Foundations I

- Learned propositional and first-order logic, basic proof techniques, graph theory, analysis of algorithms, asymptotic analysis and recurrence relations.

Hack OHI/O 2020

- Created a interactive risk assessment tool for prospective homebuyers or business owners during a two day hackathon using JavaScript and HTML/CSS with no prior experience in web development/design

VOLUNTEER EXPERIENCE

Chairperson, The Coach Pat Boyce 35 Strong Scholarship Fund, Columbus, OH (May. 2019 –Present)

- Prepare charity golf event for a student scholarship fund in order to raise money
- Grade/Rate applicants for the scholarship and decide on the recipient

