Otis Milliken

8535 Highfield Rd, Park City, UT, 84098

+1(502)7759672 | otis.true@gmail.com | www.otismilliken.com | https://github.com/Hokalaka2/ | https://www.linkedin.com/in/otis-milliken/

Summary

Academic success in a school setting with a rigorous computer science course load. Fast learner, computer competency and good at mathematical reasoning. Experience with jobs that require learning new computer systems and technical details on the fly. Consistent work to develop my skills even outside of the classroom. Passion for problem solving and learning about computer science.

Education

Middlebury College *Middlebury, VT*
B.A Candidate in Computer Science *Aug. 2020 - May. 2024*
- GPA: 4.0/4.0 Major | 3.91/4.00 Overall

Relevant Classwork
- Systems Programming, Multivariable Calculus, Geometric Modeling, Artificial Intelligence, Computer Architecture, Data Structures

Acquinum Institute of Technology *Budapest, Hungary*
Relevant Classwork *Dec. 2023 - May. 2023*
- Mobile Development, Scalable Systems, Algorithms, Leadership and Entrepreneurship

Work Experience

Advanced IT Consultant *Middlebury, VT*
Middlebury College *Sep 2020-June 2021,June 2022-Aug 2022*
- Worked in the Middlebury College Helpdesk helping with the college's technical needs
- Helped various technical problems including troubleshooting VPNs, network connectivity, printers, and other issues on a daily basis
- Gained experience learning new technical skills on the fly and under pressure.

CS 311 Tutor *Middlebury, VT*
Middlebury College *Jan 2022 - June 2022*
- Tutored for Artificial Intelligence class at Middlebury taught in Python
- Gained greater understanding of the course material and on how to explain complicated ideas in simpler terms

Trail Intern *Park City, Utah*
Municipal and Mountain Trails Foundation *June 2021 - September 2021*
- Worked in the Sustainability and Parks department of Park City Municipal on various rotating projects including a bonanza flat park fence project, extensive trail counter system, and sign postage
- Helped make new mountain bike trails with Mountain Trails foundation on Park City Mountain and Round Basin Valley
- Experience talking with contractors, filling out grants, and administrative work as well as how to use a chainsaw and other basic trail making techniques

Projects

Mesh Parameterization
Creator *Oct. 2021 - Dec 2021*
- Parameterizing 3D connected meshes that are homomorphic to a disc onto a 2D surface using uniform and mean value weighting.
- Gained experience working within a complicated/large code base and implementing pseudocode from research papers
- https://github.com/Hokalaka2/AIFinalWebsite

Relationship predictor
Creator *May. 2022 - June 2022*
- Using Random Forest Technique with Decision trees in Python to implement a Relationship predictor on Middlebury Data
- Gained experience with Decision tree optimization and other AI techniques
- https://github.com/Hokalaka2/AIFinalWebsite

Personal Website
Creator *May. 2020 - Aug 2022*
- A personal website to showcase my ruby on rails learning
- Practiced my skills in quick website development, website design, MVC framework, and REST API
- https://github.com/Hokalaka2/ResumeSite

Technologies Experienced With:
- Java, Kotlin, Android Development, Ruby, Ruby on Rails, JavaScript, Python, C, C++, MVC, REST, OOP

Extracurricular Activity

Middlebury Club Soccer *Middlebury College*
President *March. 2022 -*
- Helped run a club of over 100 members. Including 10+ scheduling games, getting refs, finding field space, and managing large groups
- Competing in soccer at a decently high level

Middlebury Consulting Group *Middlebury College*
Member *Sep. 2020 - Aug. 2022*
- Worked with local companies on their business models
- Helped implement new business directions, technologies, and pricing
- Gained experience with the inner workings of smaller companies