Sebastián Pineda

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CAREER OBJECTIVE I am passionate about learning and contributing towards the growing fields of computation, such as machine learning and computational physics, as well as solidifying my place in the conventional field of software engineering.

EDUCATION

Worcester Polytechnic Institute, 100 Institute Road, Worcester, MA — *Class of 2023*

- **Bachelor of Science**, Computer Science, May 2023

Relevant Courses: Machine Learning, Machine Organization & Assembly, Data Mining & Knowledge Discovery in Databases, Numerical Methods for Differential Equations, Software Engineering, Operating Systems

WORK EXPERIENCE

The New England Center for Children, Information Technology Intern | 33 Turnpike Rd, Fayville, MA 01772 | June-Aug 2021

- Worked in a team of 6 to maintain and support the operations of approximately 200 students and 100 teachers
- Supported users with technological difficulties ranging from exterior hardware issues to software troubleshooting.
- Specialized in Linux based environments with experience in scripting in Bash.

PROJECT WORK

Feature Recognition from Aerial Images Using Machine Learning, Major Qualifying Project (MQP) | August 2022 – May 2023

- Worked in a team of 5 in conjunction with a faculty advisor to develop a machine learning software that can utilize photo data of a destination's terrain to locally aid military parachute drop-offs without the need for satellite imaging.
- Cooperated with a sponsor from the United States Army to work towards a functioning and high quality deliverable
- Utilized multiple platforms to consolidate our machine learning algorithm into an easy to use interface for day to day consumers

Attitudes Towards Bitcoin in Iceland, Interactive Qualifying Project (IQP) | August 2021 – October 2021

- Worked in a team of 3 to survey populations in Iceland about the environmental impacts of cryptocurrency
- Collaborated with third party international institutions such as the University of Iceland to create educational objectives regarding cryptocurrency in Iceland
- Worked with project advisors to ensure our deliverables were up to desired standards

Credit Prediction with Machine Learning | December 2021

- Developed machine learning algorithms to predict the likelihood of credit card owners to default on their payments
- Determined which methods were most effective at predicting credit card defaulting

SKILLS

- **Languages:** Spanish
- **Software & Computing Languages:** C, Python, Javascript, HTML/CSS, MATLAB, GitHub, Unix & Linux Environments

CAMPUS ACTIVITIES

Chapter President, Phi Kappa Theta — January 2022 – December 2022

Vice President, Society of Physics Students — January 2021 – December 2021

Chapter Vice President of Finance & Risk, Phi Kappa Theta — January 2021 – December 2021

Member, Order of Omega Honor Society — February 2022 – Present

Mentor, First Generation Student Association — August 2022 - Present