BLAKE CECIL

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Coding Projects: github.com/bcecil2

EDUCATION

Bachelor of Computer Science, Summa Cum Lade, Oregon State University
Minor in Mathematics, Oregon State University
GPA: 3.97

TECHNICAL SKILLS

General	Machine Learning/Deep Learning, Mathematics, Functional Programming
Languages	Python, C++, C, Haskell, Javascript, HTML, SQL, PHP

ACCOLADES

- Graduated Summa Cum Laude
- International Collegiate Programming Competition Div 2: 1st in Oregon
- 2021 Idaho National Laboratories Intern Poster Session Best Poster: Nuclear Operations

EXPERIENCE

Machine Learning Research Intern June 2021 - August 2021
Idaho National Laboratories *(Remote) Corvallis, OR*

- Researched and applied machine learning methods to be used in obstacle detection for autonomous drones.
- Created a codebase for running experiments and an API for obstacle detection.
- Prepared and presented technical documents describing the project and our progress to both technical and layman audiences.

Intern April 2020 - Feburary 2021
Oregon State University Advantage Accelerator *Corvallis, OR*

- Responsible for analyzing research papers for novel intellectual property.
- Prepared and created documents summarizing commercialization potential of novel research.

Mathematics Tutor Sep 2018 - Jun 2019
Central Oregon Community College *Bend, OR*

- Tutored undergraduate students in subjects ranging from high school algebra to college calculus.
- Responsible for opening and closing tutoring center.

RELEVANT COURSES / PROJECTS

- Deep Learning, Machine Learning, Artificial Intelligence
- Honors Analysis of Algorithms, Data Structures
- **Deep Learning From Scratch** Implementations from scratch of famous deep learning architectures.
  GitHub: github.com/bcecil2/Deep-Learning-From-Scratch
  - Goal is to become proficient at translating technical papers into working code.
  - Implementations based on reading research papers and community tutorials.
  - Code written using PyTorch