Alonzo Altamirano

Fresh computer science graduate seeking mentorship, experience, and challenge in the high-tech industry.

Education

2015–2019 **B.S. Computer & Information Science**, *University of Oregon*, Eugene, OR, *3.81 in Major*.
Minor in Mathematics. Focuses include Parallel Computing, Compiler Construction, Computer Networking, and Artificial Intelligence.

Work

Computing

2018–2019 **Undergraduate Researcher**, *CDUX Research Group*, University of Oregon.
Conducted research into high performance computing on behalf of the Department of Energy and the National Science Foundation.
Achievements:
- Developed novel algorithms leveraging data parallel primitives in collaboration with doctoral students.
- Ported and parallelized serial code for the Visualization Toolkit (VTK-m).

2018 **Learning Assistant**, *Department of Computer and Information Science*, University of Oregon.
Provided supplementary education and personal tutoring to a class of 150 2nd year computer science students.
Achievements:
- Taught debugging techniques 15 hours weekly.
- Used collaborative learning techniques to communicate elemental data structure and algorithm design.

Miscellaneous

2017–2020 **Mathematics Tutor**, *Self-Employed*, Eugene, OR/San Ramon, CA.
Privately tutored Differential and Integral Calculus, Linear Algebra, and Discrete and Combinatorial Mathematics. Worked flexibly with relaying complex information to students in personally tailored methods.

Skills

Python	TensorFlow	AWS	Google Cloud
C	C++	Bison	Lex
HTML5	CSS3	JavaScript	React.js
Git	REGEX	jQuery	Node.js
UNIX	SQL	Puppet	Swift

San Francisco Bay Area, CA
+1 (925) 784 8786 • *alonzoa@uoregon.edu* • *Github: alonzno*

Activities

University of Oregon ACM International Collegiate Programming Competition Team, *Flagship Team*.
Represented the University of Oregon in the world's premier programming competition against teams from top universities such as Stanford, University of Washington, and UC Berkeley. Developed strong relationships and fluid teamwork with my copartners.

University of Oregon ARLISS, *Autonomous Drone Competition Team*.
Represented the University of Oregon at ARLISS competition in Black Rock Desert, Nevada. Built an autonomously driving drone which could withstand a rocket launch and ejection at 10,000ft. Constructed a rocket to earn Level 1 and Level 2 HPR Certification from the National Association of Rocketry.

University of Oregon Cybersecurity Club, *Member*.
Studied computer vulnerabilities in the context of protecting one's digital assets. Disseminated information to students and faculty about personal cybersecurity.

Oregon Blockchain Group, *Member*.
Studied the systems enabled by blockchain technology in the context of enterprise. Attended seminars conducted by industry leaders in blockchain application, such as Ripple, Public Market, GE, and Intel.

University of Oregon Makers Club, *Member*.
Learned and practiced skills such as soldering, using powered drills, rotary tools, and saws, 3D modelling and printing, and programming microcontrollers.

Awards

2018 Phillip Seeley Scholarship in Computer and Information Science

2019 Luks Programming Competition - 1st Place

2017 Juilfs Programming Competition - 1st Place

2018 Luks Programming Competition - 3rd Place

Additional Skills and Interests

Algorithms	Data Structures	OOP	Polymorphism
Data Mining	Big Data	Protocols	Java
DevOps	Apache Kafka	Functional Programming	APIs

Hobbies

Ultimate Frisbee	Disc Golf	Backpacking	Music Production

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