

# Michael Gao

michaelgao16@gmail.com | 1579 Bobcat Avenue SW, Albany, OR 97321 | (541)-971-2477

**Github:** <https://github.com/michael-c-gao> **LinkedIn:** <https://www.linkedin.com/in/michael-c-gao>

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Undergrad CS Student with a background in Python, C, C#, and C++, seeking a team-based Internship to further coding experience and explore professional programming

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## Education

**University of Oregon**

(Expected Graduation 06/2022)

B.S. (3.78 GPA, 129 credits)

Computer & Information Science Major, Math Minor

- 4 Semesters Dean's List
  - UO Cybersecurity, UO Developers Club
  - Alpha Tau Omega Fraternity
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## Experience

Blockchain Analyst

Oregon Blockchain Group

May 2021 - Present

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## Skills

Programming

Python, C, C#, C++

OS

Linux/Unix, Windows, Mac

Languages

English, Chinese, Spanish

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## Projects

**Fisheye Stereo Camera Depth Detection & Object Recognition**

Python, Linux (2020)

- Calibrated Fisheye Stereo Camera System to Return Live Rectified Video and Images
- Created Live and Static Depth Maps to Determine Object Distance
  - Implemented via OPENCV-PYTHON Library
- Generated Real-Time Object Detection Video via YOLOv4 DNN and NVIDIA CUDNN on Linux to Determine Object's Relative Measured Distance from the System

## **Web of Unity**

Unity3D, C# (2021)

- - As project manager, led and managed a group of 2 other students by directing tasks, organizing workflow, and hosting scrum meetings
  - -Created entirety of environmental design and level layout/progression
  - -Created various C# scripts for core gameplay mechanics and player-environment interaction, such as movement, web-slinging, grass interaction, etc. scripts
  - -Designed and created UI (main menu, tutorial, pause, game over/win scenes and respective scripts)
  - -Managed Git Submissions, Deadlines and Project Quality Control
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**Relevant Coursework** - Computer Science I - III, Computer Organization, C/C++ and Unix, Game Programming, Intermediate Algorithms, Intermediate Data Structures, Calculus I & II, Discrete Math I & II, Intro to Probability & Statistics, Statistical Models and Methods, Linear Algebra I & II

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## **Scholarships**

University of Oregon Summit Scholarship

9 Semesters

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## **Volunteer Activities**

Good Samaritan Regional Medical Center Volunteer, Corvallis, OR

2015 - 2017

Organized medical supplies and assisted patients and staff

- Commitment to Service Award, Emergency Dept.
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