

Max Wolf

I am a high school student and lifelong programmer focused on application and development of cutting-edge deep learning technologies.

Business Experience

- Intern at [NinePointTwo Capital](#) (7/2020 - Present)
 - Generating and researching novel trading factors using deep learning and alternative data to find new ways of increasing return on investment in a futures trading portfolio
- (Pending) Full stack developer at the [Revs Institute](#) (8/2021)
 - Building deep learning pipeline and data portal to increase data throughput and decrease human involvement in cataloguing tasks for the Revs Institute's digital library.
- Machinist
 - Freelance work done for Bring Abundance and Letterpress Finesse in which I made various large and small parts for a vintage printing press for producing custom stationery using a mill and lathe
- Drone Photographer
 - Rocking CCs Ranch
- Ranch Hand
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 - Landscaping, office work
- Dishwasher (04/2021 - 08/2021)
 - Olive Garden
- Self Employed
 - Freelance 3D Printing/Modelling
 - Dumas Products
 - Arduino sales

Education and Certifications

BASIS Oro Valley High School (8/2018 - Present)

- Engineering 102
 - College engineering course which is a prerequisite for many later engineering classes
- Math
 - Capstone Linear Algebra, AP Calculus AB and BC
- Physics
 - Capstone Applied Physics, AP Physics 1, 2, and C
- Humanities
 - AP Literature, AP Language
 - Capstone Fascism and the Radical Right, AP European History, AP US History, AP US Government
- Foreign Language
 - Capstone Sources of Chinese Language and Thought, AP Mandarin

Udacity AI for Trading Nanodegree (12/23/2019 - 8/19/2020)

- Advanced course on applications of AI to quantitative finance. According to my mentor for this class, I was the youngest student to ever complete this course.

Certifications

- FCC General class amateur radio license

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Skills

Programming

- Python, C, C++, C#

Machining

- Manual mills and lathes
- 3 axis CNC mills and routers
 - Mach 4 machine control software

CAD/CAM

- Fusion 360 (CAD and CAM), AutoCAD, OpenSCAD, Autodesk EAGLE (CAD and CAM)

Amazon Web Services, Google Cloud

Google Suite

Microsoft Excel

Awards

National Honor Society (NHS)

National Junior Honor Society (NJHS)

Engineering Student of the Year 2019-2020

AP Scholar with Distinction

Test Scores

SAT: 1440

PSAT: 1360

Languages

English

汉语 (Mandarin)

Extracurriculars

NHS Volunteering

- 25 hours teaching 1st through 5th grade robotics class (FIRST Robotics)
- 5+ hours volunteering at local horse ranch

NJHS Volunteering

- 25 hours teaching 1st through 5th grade robotics class (FIRST Robotics)

Engineering Society Vice President

Projects

- [Electric bike conversion](#)
- [Atmospheric Data Collection Rocket](#)
- Private pilot's license