

# Max Wolf

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<http://www.maxwolf.ai/>

## Experience

- Assembly Technician at Alicat Scientific (06/2023-08/2023)
  - Assembled mass flow and pressure controllers. Gained significant experience working with electronics, specifically soldering and post-processing of completed products. Fastest person to complete training with the highest quality soldering certification test.
- Security/IT at Newton Consulting and Engineering (05/2023-08/2023)
  - Designed and installed a comprehensive, 14-camera wired security system for a fraternity at the University of Arizona.
- Product Flow Specialist at Best Buy (03/2023-08/2023)
  - Warehouse and sales floor inventory as well as other general logistics tasks. Cross-trained in sales.
- Helper at MacInnis Plumbing (01/01/2023 - 01/27/2023)
  - A temporary labor position in which I assisted with various plumbing jobs, including hand-digging water line trenches, installing household fixtures, and fixing leaks.
- Data Entry at BASIS.ed (04/2022 - 07/2022)
- Software Developer at the [Revs Institute](#) (9/2021 - 06/15/2022)
  - Researched ways to apply deep learning to library cataloging tasks and built data entry software.
- Intern at [NinePointTwo Capital](#) (7/2020 - 12/2021)
  - Researched novel trading factors using deep learning and alternative data to find new ways of increasing return on investment in a futures trading portfolio.
- Dishwasher at Olive Garden (04/2021 - 08/2021)
- 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 (05/2020-07/2020)
  - Rocking CCs Ranch
- Ranch Hand (06/2020-07/2020)
  - Rocking CCs Ranch
  - Landscaping, office work

## Education and Certifications

### Education

- Arizona State University
  - Currently majoring in computer and neuroscience
- BASIS Oro Valley High School (8/2018 - 05/2022)

### Certifications

- Private pilot license
- FCC General class amateur radio license

## Skills

### Programming

- Python, 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)

AP Scholar with Distinction

Engineering Student of the Year 2019-2020

National Junior Honor Society (NJHS)

## Test Scores

SAT: 1440

## Languages

English

汉语 (Mandarin)

## Extracurriculars

Engineering Society Vice President

NHS Volunteering

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

NJHS Volunteering

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

## Projects

- [Electric bike conversion](#)
- [Atmospheric Data Collection Rocket](#)
- System for Kinematic Data Collection and Analysis of the AR-15 and M4's Firing Action