

dan cascaval

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SKILLS

CAD using Autodesk Inventor and Rhino 3D; CAM using MasterCAM; CNC Mill Operation; Manual Mill/Lathe Machining; TIG Welding; Photoshop; Microsoft Office Suite; Content, Technical and Copy Writing; HTML/CSS; TeX

Proficient in English, Romanian, Python, G-Code, Basic Mandarin

EDUCATION

Bachelor of Architecture

Carnegie Mellon University

Pittsburgh, PA (2015 – 2020)

Cumulative Major GPA: 4.0/4

Relevant Courses:

Architecture Design Studio, Analog Media I, Building Physics, Digital Media I

Gunn High School

Palo Alto, CA (2011 – 2015)

Cumulative Major GPA: 3.94/4

Relevant Courses:

Engineering Technology, Introduction to Engineering Design, AP Physics C Mechanics/EM, AP Calculus BC

EXPERIENCE

Specialized Machining Lead, Gunn Robotics Team

Palo Alto, CA (2013 - 2015)

- Operated and maintained CNC Machining and TIG Welding outfit.
- Streamlined CNC manufacturing process to produce over 300 unique 3-decimal tolerance parts in 6-week time frame
- Expanded overall functionality via researching new tools and programming techniques. Allowed a 40% decrease in machining time as well as better finishes and longer tool life.
- Designed and executed training project to train new students with no machining experience to full CNC or Welding capability within three months. Included principles of machining and shop safety fundamentals.

Drive Coach, Gunn Robotics Team

Palo Alto, CA (2015)

- Directed and communicated competition strategy during 2015 FRC Season
- Created and executed a data system to collect, organize, and analyze data about other teams, allowed progress to final stages of elimination rounds
- Coordinated optimal strategies with other teams, resulted in extra points for collaborative actions

Walker, PropertyWalk

Palo Alto, CA (2015)

- Assessed Silicon Valley Real Estate and Development markets, located and visited potential properties
- Contributed over 30 detailed reports on prime properties in the Palo Alto/Menlo Park area

HONORS

National Merit Scholarship Finalist, 2015

National AP Scholar, 2015