Tyden Rucker

TRucker20 | Tyden Rucker | rucker.tyden@gmail.com | +6194058727

SUMMARY

I am a 4th year cognitive science student with a machine learning emphasis. Through participating in hackathons and personal projects, I have been able to grow my knowledge of programming, useful computer tools and popular frameworks. My machine learning emphasis allows me to focus on data science and processing to create better prediction and classification models through different computation methods.

EDUCATION

2020 - 2024	Bachelor's Degree of Cognitive Science with an emphasis on Machine Learning and Neural Computation **University of California San Diego** (GPA: 3.8/4.0)
2016 - 2020	High School International Baccalaureate Diploma **Bonita Vista High School** (GPA: 4.33/4.0)

SKILLS

Java, Python,C-Sharp, Figma,Pytorch,NumPy, Matplotlib, Vector Calculus, Data Science, Data Processing, Statisics, Computer Maintenance, Github, Machine Learning, Neural Networks, Feature Selection

PROJECTS

Anti-Tow - Autonomous Vehicle Expo Hackathon

- Utilized multiple APIs to complete the hackathon task of implementing a project that improves autonomous vehicles using Python
- Managed time and version control through github

Anti-Calamity - SD Hacks

- Utilized a machine learning API, MageAI, to train and test a model that predicted natural disasters.

Tyrannical Studios - UCSD Basement

- Founded a team at UCSD that focuses on making video game development projects utilizing novel concepts such as machine learning and procedural generation.

WORK EXPERIENCE

Senior Math Instructor - Mathnasium   Jan 2022 - Jun 2023

As a Senior Math Instructor at Mathnasium. I utilize clever tactics and methods in order to keep my students, that range from elementary school to college level, engaged. Through this experience, I have been able to increase my communication skills while also learning best practices in multiple areas of math.

IT Instructor - Lavner Education   Jun 2023 - Aug 2023

Leveraged multiple software and hardware technical skills to ensure that technology of the establishment ran smoothly. Utilized different methods of trouble shooting as well as problem solving to improve the work environment. Worked independently and in groups in a multitude of areas of IT.