GILBERTO ROBLES

giroblessilva@gmail.com | (619)915-8992
LinkedIn: https://www.linkedin.com/in/gilbertorobles/
Portfolio: https://gilbertorobles.wixsite.com/portfolio
San Ysidro, CA

EDUCATION

University of California, San Diego – La Jolla, CA   *Expected in 06/2022*
Bachelor of Science: Cognitive Science: Machine Learning & Neural Computation

PROFESSIONAL SUMMARY

Experience in 4+ years of implementing data science & machine learning methods. Proficient in Python, writing supervised and unsupervised algorithms from scratch, as well as neural networks with TF/Keras. I have hands-on experience with intelligent autonomous robotics, brain-computer interfaces, and mobile app deployment. I have an interest for business-driven applications of data analytics and modeling.

SKILLS

- Python, scikit-learn, TensorFlow, Keras
- Classification, Clustering, PCA, Neural Networks
- Custom TF/Keras Models and Layers
- JMP Pro (Predictive Analytics & Modeling)
- A/B Testing

- Data Visualization, Excel, Business Analytics
- 3D Printing Expertise (SLA, FDM)
- Mechanical (CAD)
- Arduino, Raspberry Pi (Proficient)
- React Native & Node App Deployment

PROJECTS & EXPERIENCE

Robles Projects | Creator – San Diego, CA   *09/2018 - Current*
I have designed from scratch and developed fully functioning IoT projects: visual-recognition autonomous rover, a wireless glove-controlled robotic arm, an electric bicycle, an augmented reality smart-glasses prototype, etc.

Java Programmer | Rocket Propulsion Lab – UC San Diego   *09/2018 - 02/2019*
Student organization at UCSD with the mission of putting a rocket in space. My contribution was in developing software for the Avionics Team, in charge of establishing telemetry between the rocket's valves and sensors to the computers in base.

Robles 3D Printing | Personal Business – San Diego, CA   *08/2020 - Current*
Small personal business. I sell 3D prints, from supplying large scale models to business in San Diego in the construction industry, to figurines advertised on Instagram and Etsy.

SHPE Representative| Microsoft – Phoenix, AZ   *10/2019 - 11/2019*
Fully paid internship and trip to Phoenix, Arizona to represent UC San Diego and Microsoft as a Hispanic engineer in STEM, at the SHPE National Convention in 2019.

Team Lead / Hackathon Committee Member | Society of Hispanic Professional
Engineers – UC San Diego   *09/2018 – Current*
I developed leadership and project-planning skills by co-directing a coding team in Python. The goal of this role was to develop software challenges for other students on campus to further their technical skills. I had a similar role in planning and coordinating under a similar committee for the Rising Engineers Advanced Challenge, an organization devoted to exposing first-gen Latino students like myself, to engineer challenges.

RELEVANT COURSEWORK

- Supervised Machine Learning Algorithms
- Unsupervised Machine Learning Algorithms
- Data Science in Practice
- Introduction to Probability for Data Science

- Linear Algebra
- Business Analytics
- Data Science Bootcamp
- React Native: Fundamentals & Advanced