Arash Parsa

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Education

Georgia Institute of Technology — Atlanta, GA
Masters in Science in Data Science/Analytics — *TBD*

University of California, Santa Cruz — Santa Cruz, CA
Bachelors in Science in Bioengineering/Minor in Bioinformatics — *Aug. 2015 – Jun 2021*

Technical Skills

Languages: Python , C++, database programming, SQL (Postgres), Assembly, HTML/CSS, R
Developer Tools: Visual Studio, PyCharm, Sublime Text, Kaggle, Eclipse
other skills: Analytical Problem Solving, Object-Oriented Programming, Strong Work Ethic & Communication, Circuit & PCB Design, Formal Report Generation Latex

Experience

Machine Learning Scientist — Sep. 2022 – Current
Optelligence — *Berkeley, California*
- Updated software upon release of vendor patches to mitigate vulnerabilities, code assessment to determine potential glitches & bugs, applied programming syntax in compliance with internal language.
- Programmed applications & tools using object-oriented languages for code abstraction, stability & reuse, A/B tests to validate model performance prior to production.

Scientific Researcher — Jan. 2015 – Jan. 2016
University California Berkeley — *Berkeley, California*
- DARPA SWARM project & responsible for design for a tKinter GUI for the probe assembling robot to advance microdrone technology (insect drones) through robot programming script library.
- Supported other researchers in study & project-related activities, pre-undergraduate rapport w/ SWARM supervisors for DARPA related grant experiments direct coding of robot and GUI.

Scientific Researcher & Research Consultant — Jan. 2016 – Nov. 2019
Apex Energetics — *Irvine, California*
- Research underpinning cutting-edge programs (Bacopa monnieri, Gingko Bilboa, SCFA, etc. Prepared reports utilizing database details, catalogued monthly literature that saved the company time & funds, while collaborating with supervisors to utilize more resources.
- Communicated findings to clients using multimedia, narrative writing facilitated scientific advisory board much time in accessing sought-after research materials with measurable results.

R & D Engineer — Aug 2021 – May 2022
Amgen & Thermofisher — *Thousand Oaks, CA & Pleasanton, CA*
- Thermofisher/Amgen - Leveraged software daily for user documentation tracking progress of COVID-19 line of products and high competence with company standard operating procedures.
- Assessed operations HPCA machine testing, exercised suggestions to for cost-effective processes relating to non-vanquish HPLC, UPLC QC systems running at 0.001 - 10 mL/min 1000 bar time chart analysis.
- Thermofisher - Knowledge with products for pandemic space, daily QC testing artifacts relating to TaqPath families of COVID-19 Combo Kit targeting 3 areas of SARS-CoV-2 virus and related testing products.

Projects

UCB Green Initiative Fund | *Python, SQL, graphQL* — June 2022 – Present
* Developed an API method & graphQL to store data from energy management systems and practice campus energy proficiency without costly electronic microcontroller dev products.
* Project is intended to be scaleable with other commercial real estate sized locations and campuses.

Other Skills

MatLab, SQL, x86, Docker, React, SciKitLearn, TensorFlow, other general machine learning and statistical python libraries, Web scraping, Python