

Sang Do

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EDUCATION

UC San Diego

4th year - Computer Science

San Diego, CA

Sep. 2023 – Present

Ohlone College

Associate's in Computer Science, GPA: 3.8

Fremont, CA

Aug. 2021 – May 2023

Ohlone College

Associate's in Biology, GPA: 3.8

Fremont, CA

Aug. 2013 – May 2016

Google IT Support Certificate

April 2021

EXPERIENCE

GMP Laboratory Associate

Synthego Corporation

Aug. 2021 – Oct. 2022

Redwood City, CA

- Wrote Python scripts and used Google Sheets to analyze and visualize manufacturing process data, saving the team 90% of the time previously spent on manual data entry
- Operated complex robotic systems (AKTA, Hamilton, Agilent) to manage liquid product. Interacted with softwares to modify methods and troubleshoot
- Used Confluence and created a Kanban board using Jira to visualize workflow, track work progress, schedule, and assign tasks
- Collaborated with Supply Chain, Quality Assurance, Warehouse, and other cross-functional teams for maintenance and continuous improvement of processes
- Applied hands-on laboratory skills and trained team members in techniques such as fraction analysis, SPE, and HPLC to synthesize and purify GMP-grade oligonucleotides

Healthcare Specialist/Platoon Line Medic

United States Army

Feb. 2017 – Aug. 2020

Fort Bragg, NC

- Served as a line medic to an Infantry platoon, managing medical readiness and health of 25 soldiers on daily basis and during training events
- Provided emergency medical treatment, limited primary care, and evacuation in a variety of operational settings between November 2017 to February 2018 during Operation Freedom's Sentinel in Afghanistan
- Assisted with outpatient care and treatment in clinical medical facilities under the supervision of a physician assistant
- Assisted with accountability and serviceability of Class VIII medical supplies and equipment valued in over \$100,000

PROJECTS

2Dsim | Javascript, p5js, Git, GitHub Pages

June 2020 – Present

- ParticlesOfLife — Drawer — Evolution
- Used the p5.js library, object-oriented programming (OOP) principles, and applied linear algebra's concepts to create a quadrant graph application
- Explored beginner artificial intelligence (AI) concepts such as genetic algorithms, layers, gradient descent, back-propagation, and more by building a neural network from scratch

Data Structure and Algorithm Quiz | C++, Git

April 2023 – May 2023

- Worked with a team of three fellow students to create an interactive quiz designed to help users review and reinforce their knowledge of various data structures and algorithms
- Used Git and helped other team members learn Git for version control
- Created plan and goals, resolved conflicts between team members

TECHNICAL SKILLS

Languages: Python, C++, JavaScript, HTML/CSS

Developer IDE: Linux, Git, VS Code, Visual Studio, PyCharm, Eclipse

Libraries: pandas, NumPy, Matplotlib, PyTorch, p5js