Neil Nguyen

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EDUCATION

Santa Clara University, Computer Science Major   Fall 2018 - Winter 2022

- Expected Masters in Computer Engineering by Winter 2022
- Completed Bachelor of Science in Computer Science with an Emphasis in Software Development, Minor in Math
- **Relevant Courses**: Artificial Intelligence, Big Data, Machine Learning, Operating Systems, Computer Architecture, Data Structures, Algorithms, Programming Languages, Computer Graphics
- **Technologically Proficient**: Python, C++, C, HTML/CSS, Javascript, React, Power Automate, Sharepoint, Visio, Node.JS, SQL, OpenGL

SOFTWARE ENGINEERING EXPERIENCE

Gilead Sciences **| Laboratory Systems Information Intern**   Summer 2021

- Published pharmaceutical product information pages on Sharepoint Online
- Implemented Workflows for SharePoint list and product updates using Power Automate
- Produced flow diagrams and design specifications from project meetings using Visio
- Presented my experiences and learnings in leadership meetings

Grad Planner Co. **| C++, Python, ReactJS Software Engineer**   Fall 2019 - Fall 2020

- Developed 1200+ lines of C++ and 500+ lines of Python algorithm code to build optimal 4-year graduation plan
- Built front-end website side of Grad Planner using ReactJS, JS , HTML, and CSS
- Scraped SCU class schedules for the next 4 years to build a "demoting tree" in order for the program to optimally plan
- Operated in an agile software environment with 11 team members

Analyzing NBA Shot Data **| Pyspark Independent Project**   Spring 2021

- Utilized Linear Regression and Logistic Regression to analyze players' shot percentages at incrementing ranges
- Programmed specialized functions in PySpark to calculate and graph regression models
- Extracted NBA shot data of the most prolific short, mid, and long range shooters from NBA Stats

OTHER EXPERIENCE

Maker Club **| Santa Clara University | Public Relations**   Spring 2019 - Spring 2020

- Utilized and taught engineering concepts in a fun applicable way via complicated machinery
- Designed new workshop plans with other board members to teach participants how to use more tools for projects
- Hosted workshops every week using 3D Printers, Laser Cutters, Soldering Iron, Vinyl Cutter, Heat Press and other tools

Stand-Up Comedy Club **| Santa Clara University | Treasurer**   Spring 2020 - Spring 2021

- Managed and allocated funds of over 100 member club for team building, club advertisement, and show production
- Hosted weekly writing labs to further develop comedic material of club members seeking to perform
- Produced and performed at shows quarterly in front of over 200 regular audience members