Neil Nguyen

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EDUCATION

Santa Clara University, Computer Science Major   September 2018 - April 2022

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

SOFTWARE ENGINEERING EXPERIENCE

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

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

***Image Ranker* | Javascript**   May 2020

- Implemented Drag and Swap feature to rank images based on user preference
- Scraped Flickr database for images related to a single keyword

***Space Inserter* | C++ Algorithm Developer**   August 2019

- Traversed through text to generate combinations at $O(n^2)$ by hash linked list and building and reversing a word tree
- Established Dynamic Programming code in C++ to produce all combinations of a document with spaces (" ") removed
- Scraped words from a dictionary document and sorted it into a hash linked list for traversal

OTHER EXPERIENCE

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

- Utilize and teach engineering concepts in a fun real-world environment via complicated machinery
- Design new workshop plans with other board members to teach participants how to use more tools for more projects
- Host 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**   2019 - Current

- Manage and allocate funds of over 100 member club for team building, club advertisement, and show production
- Host weekly writing labs to further develop comedic material of club members seeking to perform
- Produce and perform at shows quarterly in front of 200 regular audience members