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| **Objective**  Seeking a Remote Software Development/Engineering Internship for Summer 2021 | | |
| **Education**  B.S. in Computer Science  The University of Texas at Dallas (UTD)  Honors College and CS^2 Honors Program Member | | **GPA: 4.00**  Expected Dec. 2022 |
| **Technical Skills**   |  |  | | --- | --- | | Languages | Java, Python, HTML/CSS/JS, jQuery, C/C++, Bash, MIPS, LaTeX | | Applications/Tools | JetBrains IDEs, Visual Studio, Eclipse, Brackets, Git/GitHub, Slack, Microsoft Teams, Microsoft Office, G Suite | | Operating Systems | Windows, UNIX, Linux, UNIX Servers via SSH | | Other | Strong Verbal and Written Communication Skills  California Seal of Biliteracy in Spanish |   . | | |
| **Experience**  Researcher, University Student Network Study (May 2020 – Present)   * Develop an efficient Python program to identify, manipulate, and observe changes in the properties of a university student network using graph theory, in collaboration with six other CS^2 students, and under the direction of Dr. Ravi Prakash * Use NumPy, Pandas, and Matplotlib to facilitate computations and visualize results * Co-author an academic paper documenting the team’s findings and recommendations * skills\_honed = {“Python”, “JetBrains IDEs”, “Git/GitHub”,   “UNIX Servers via SSH”, “Verbal/Written Communication”}  Lead Website Designer, People at Silicon Valley (May 2017 – June 2017)   * Constructed a template for the company’s new website (which is still in use today) alongside a small team and under the direction of its founder * var skillsHoned = new Set([“HTML/CSS/JS”, “Brackets”, “Git/GitHub”,   “Verbal/Written Communication”]); | | |
| **Coursework**  Data Structures & Introduction to Algorithmic Analysis   * Analyzed and proved properties of Skip Lists, AVL Trees, Red/Black Trees, Binary Heaps, Stacks, Queues, Hash Tables, Disjoint Sets, Graphs, and Sorting Algorithms * Implemented Skip List, Hash Table, Disjoint Set, and Graph data structures as Java classes using object-oriented programming (OOP) practices * Set<String> skillsHoned = Set.of(“Java”, “JetBrains IDEs”);   C/C++ Programming in a UNIX Environment   * Navigated and manipulated the contents of a remote UNIX server using various commands and utilities, including Vim * Wrote Bash scripts to perform arithmetic calculations, read file properties and contents, and write to files and the standard output * Created, used, and destroyed multiple processes and threads using C/C++ * std::set<std::string> skillsHoned = {“C/C++”, “UNIX”, “Linux”, “UNIX   Servers via SSH”, “Bash”, “Python”};  Professional and Technical Communication (Currently Taking)   * Author clear and concise reports, proposals, and sets of instructions * Design multimedia PowerPoint presentations * Engage in public speaking activities * Skills Honed: Verbal/Written Communication and Microsoft Office | | |
| **Honors**  **National Merit Scholar**, The National Merit Scholarship Corporation  **Valedictorian**, Homestead High School, Cupertino, CA  Nominee, The National Society of Collegiate Scholars  Nominee, Golden Key International Honor Society  Six-Time Award Recipient, CodeDay (Best Game, Best in Show, Special Awards for Design) | | |
| **Projects**  Personal Website (May 2016 - Present)   * Design and regularly update an online portfolio * Program a customizable embedded audio player for musical compositions * var skillsHoned = new Set([“HTML/CSS/JS”, “jQuery”, “Brackets”,   “Git/GitHub”]); | | |
| **Activities**  Social Co-Chair, Novis A Capella (March 2020 – Present) (Member since Sept. 2019)   * Organize and run various social events for the organization * Maintain the organization’s Reddit account and Discord server * Design the organization’s website (not yet released) * Skills Honed: Verbal/Written Communication and HTML/CSS   Nine-Time Attendee, CodeDay (Hackathon) (November 2015 – Present)   * Conceptualize and develop games and apps (one per event) alongside teams of fellow students in 24 hours * skills\_honed = {“Python”, “HTML/CSS/JS”, “Java", “JetBrains IDEs”,   “Git/GitHub”, “Verbal/Written Communication”} | | |