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| **Objective**  Seeking a remote Software Development/Engineering internship for Summer 2021 | | |
| **Education**  **B.S. in Computer Science, GPA: 4.00**  The University of Texas at Dallas (UTD), Dec. 2022  Honors College and CS^2 Honors Program Member | |  |
| **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, UTD 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”}  Lead Website Designer, People at Silicon Valley (May – 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”]); | | |
| **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, interpret file properties, perform file I/O, and write to 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 (In Progress)   * Author clear and concise reports, proposals, and instructions * Design multimedia PowerPoint presentations * Skills Honed: Microsoft Office and Microsoft Teams | | |
| **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: HTML/CSS and Leadership   Regular Attendee and Volunteer, 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”} | | |