

Daniel DeAnda

Richardson, TX 75080
hello@danieldeanda.tech
(919) 589-2244
linkedin.com/in/danielchristiandeanda/
Portfolio: danieldeanda.tech

Objective

Seeking a remote Software Development/Engineering internship for Summer 2022

Education

B.S. in Computer Science, GPA: 4.00

The University of Texas at Dallas (UTD), May 2023

Honors College and CS^2 Honors Program Member

Technical Skills

Languages:	Java, Python, React, HTML/CSS/JS, jQuery, C/C++, SQL, Bash
Applications/Tools:	JetBrains IDEs, Visual Studio, VS Code, Eclipse, SQL Developer, NPM, Vim, Git/GitHub, Slack, Microsoft Teams and 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

Software Engineer Intern, Onfleet, Inc. (May – August 2021)

- Resolved an existing issue with the admin dashboard in a dedicated Git branch
- Remade the organization's delivery/pick-up tracking page in React, making use of callback functions and various hooks, including `useState` and `useEffect`
- Created robust test suites using Jest and the React Testing Library
- Used NPM to install packages used in development, including `styled-components`
- `var skillsHoned = new Set(["React", "VS Code", "Slack", "NPM", "Git/GitHub", "UNIX Servers via SSH"]);`

Researcher, UTD Student Network Study (May – September 2020)

- Developed 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
- Used NumPy, Pandas, and Matplotlib to facilitate computations and visualize results
- Co-authored 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", "Git/GitHub"]);`

Coursework

Advanced Algorithm Design and Analysis

- Analyzed the temporal and spatial complexities of sorting, divide-and-conquer, dynamic programming, greedy, and graph algorithms
- Developed and proved the correctness of new algorithms to solve novel problems
- Applied knowledge of data structures to minimize temporal and spatial complexities
- `Set<String> skillsHoned = Set.of("Pseudocode", "Problem Solving");`

Operating Systems Concepts

- Navigated and manipulated the contents of a remote UNIX server
- Wrote C/C++ and Java programs to send and receive data between processes and UNIX machines using threads, pipes, and sockets
- Expressed and evaluated various approaches for shared data access, process syncing, CPU scheduling, deadlock detection and prevention, data storage, and I/O
- `std::set<std::string> skillsHoned = {"C/C++", "Java", "Vim", "UNIX", "UNIX Servers via SSH"};`

Database Systems

- Produced and normalized relational database schemas from entity relationship (ER) diagrams, identifying primary keys, foreign keys, and functional dependencies
- Used SQL statements to create a relational database from scratch and modify its contents using Oracle Database 19c and SQL Developer
- Wrote SQL queries to retrieve information from and about relational databases
- `select * from SKILLS_HONED where Skill in ('SQL', 'SQL Developer');`

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)

Activities

Social Co-Chair, Novis A Cappella (3 Semesters, Ongoing) (Member since Sept. 2019)

- Organize and run various social events for the organization
- Maintain the organization's Reddit account and Discord server
- Design and regularly update the organization's website
- 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"}`