

Daniel “Ludo” DeAnda

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Objective

Seeking a front-end or full-stack software engineering position starting in Summer 2023.

Education

B.S. in Computer Science, GPA: 3.99

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

Graduating Summa Cum Laude with Collegium V Honors and Major Honors (CS^2)

Technical Skills

Languages and Packages:	React, Next.js, TypeScript, HTML/CSS/JS, jQuery, NPM/PNPM/Yarn, Java, Python 3, C/C++, SQL, CMD/Terminal/Bash (including SSH)
Applications and Software:	JetBrains IDEs, Visual Studio, VS Code, Eclipse, Postman, Postgres, Vim, Git/GitHub, Jira, Confluence, Slack, Microsoft 365, G Suite
Other:	Strong Verbal and Written Communication Skills California Seal of Biliteracy in Spanish Expert Problem-Solver

Experience

Software Engineering Intern, Cvent, Inc. (June – August 2022)

- Constructed RESTful API endpoints in Java to facilitate the storage (POST) and retrieval (GET) of complex user data, validating that data in the process
- Wrote unit tests, integration tests, automation tests using Jest, Karate and Cucumber
- Performed CI/CD deployments using Jenkins and smoke tests using Postman
- Contributed to design and debugging efforts by pair programming with employees
- Investigated potential causes of integration test timeouts and reported findings
- Corrected and authored new internal documentation for development environments
- `const skillsHoned = new Set(['Java', 'JetBrains IDEs', 'React', 'Yarn', 'TypeScript', 'Slack', 'Communication']);`

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
- Learned how to use NPM packages such as `styled-components` and `grommet`
- `const skillsHoned = new Set(['React', 'VS Code', 'NPM', 'Git/GitHub', 'UNIX Servers via SSH', 'Slack']);`

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 CS² 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 listing the team's findings and recommendations
- `skills_honed = {"Python", "JetBrains IDEs", "Git/GitHub", "UNIX/SSH"}`

Coursework

Computer Science Project (CS 4485; Spring 2023)

- Design and develop the front end of an account and identity access management system for UTD non-profit Nebula Labs using React, Next.js, and TypeScript
- Research and perform cost analysis for an SSO solution for the system
- Collaboratively create ancillary artifacts such as a project proposal and a poster
- `const skillsHoned = new Set(['Next.js', 'React', 'TypeScript', 'PNPM', 'GitHub', 'VS Code', 'Communication']);`

Advanced Algorithm Design and Analysis (CS 4349; Fall 2021)

- 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");`

Database Systems (CS 4347; Fall 2021)

- 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

Six-Time Award Recipient, CodeDay (Best Game, Best in Show, Special Awards for Design)

Activities

Social Co-Chair, Novis A Cappella (5 Semesters, 2020 – 2022)

- Organized and ran various social events, maintained the organization's Reddit account and Discord server, and designed and regularly updated its website
- Skills Honed: HTML/CSS and Leadership

Regular Attendee and Volunteer, CodeDay (Hackathon) (2015 – 2019)

- Developed games and apps (one/event) with teams of fellow students in 24 hours
- `skills_honed = {"Python", "HTML/CSS/JS", "Java", "JetBrains IDEs", "Git/GitHub"}`