



Daniel "Ludo" DeAnda

Software Engineer, UI/UX Designer, Educator

I enable interaction.

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danieldeanda.com ✨

Education

B.S. in Computer Science, The University of Texas at Dallas, awarded on 2023-05-15

Graduated **summa cum laude** (GPA: 3.99) with **major honors** (CS[^]2) and **university honors** (Collegium V)

Skills

UI/UX Design: JavaScript (JS), TypeScript, jQuery, Node.js, React, Next.js, Figma, Inkscape, and more

Development: Java, Kotlin, Python, C++, C, Regular Expressions, REST APIs, Git, GitHub, Jira, and more

Data and Research: SQL, MySQL, PostgreSQL, ERDs, LaTeX, AI/ML Theory, Ethics of AI/ML, and more

Infrastructure: Terminal (BASH), SSH, WSL, Amazon Web Services (AWS), Vercel, Serverless, and more

Documentation: Confluence, Notion, Google Workspace, Microsoft 365, Microsoft Visio, UML, and more

Qualitative: Teaching, Communication, Pair Programming, Problem Solving, Debugging, Testing, and more

Experience

Head of Software Engineering Education @ CodeDay, 2024-12 to Present (Remote, Seattle, Washington)

- Manage a team of consulting software engineers who help students become open-source contributors
- Develop criteria, interview, and hire candidates for the team in collaboration with CodeDay executives
- Train new and existing team members in educational pedagogy informed by data and student feedback
- Counsel students and team members on the benefits and drawbacks inherent in the use of AI tools like GPTs

Consulting Software Engineer @ CodeDay, 2023-10 to Present (Remote, Seattle, Washington)

- Help students develop and submit scores of contributions to over a dozen open-source projects
- Quickly identify the root causes of hundreds of novel problems that students are unable to solve on their own
- Teach students of all skill levels about syntax, semantics, paradigms, development tools, and technical writing

Lead Front-End Engineer @ Nebula Labs, 2023-01 to 2023-05 (Richardson, Texas)

- Architected an account and identity access management system alongside three senior executives
- Iteratively designed UIs for two front-end microservices in Figma and implemented one of them in Next.js
- Performed two cost-benefit analyses concerning a single sign-on (SSO) solution and the use of a monorepo

Software Engineering Intern @ Cvent, Inc., 2022-06 to 2022-08 (Remote, Dallas, Texas)

- Wrote three REST API endpoints in Java that process complex user data, authored more than 20 unit tests, integration tests, and automation tests for them; executed CI/CD deployments for them; and smoke tested them
- Reduced technical debt by investigating issues with several existing integration tests and presenting findings
- Improved internal documentation by correcting outdated information and creating new diagrams and resources

Software Engineering Intern @ Onfleet, Inc., 2021-05 to 2021-08 (Remote, San Francisco, California)

- Fixed a bug in a software-as-a-service (SaaS) web app that caused phone numbers to be displayed incorrectly
- Migrated a complex Single-Page Application (SPA) from Angular.js to React and added dozens of unit tests

Computer Science Researcher @ The University of Texas at Dallas, 2020-05 to 2020-09 (Richardson, Texas)

- Analyzed a 3.7 million-edge network constructed from university enrollment data to identify a minimally-disruptive yet effective strategy for minimizing COVID-19 transmission rates alongside six peers and an honors professor.

Honors and Certifications

- AWS Cloud Solutions Architect Specialization Certificate from Coursera (official certification from AWS pending)
- National Merit Scholar and Valedictorian of Homestead High School in Cupertino, California
- Seal of Biliteracy in Spanish from the State of California
- Six-Time Award Recipient at CodeDay Hackathons (Best in Show, Best Game, and Special Awards for Design)

Projects and More

Additional information about my decade of programming experience is available at danieldeanda.com.