

DON DANG

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Education

The University of Texas at Arlington

August 2021 – May 2025

Bachelor of Science in Honors Computer Science

GPA: 3.95

- Awards: UTA Dean's List (2021 – Present) – Honors in Computer Science
- Coursework: Object-Oriented Programming, Data Structures and Algorithms, Fundamentals of Software Engineering

Technical Skills

Languages: JavaScript, TypeScript, C/C++, Java, SQL, Python, HTML/CSS, Kotlin, C#, .NET, VBA, ABAP

Web & App Development: React, React Native, AngularJS, REST APIs, Node.js, Express, Springboot, Streamlit

Developer Tools: WCF, Docker, Postman, Azure, Jira, Agile, Linux/UNIX, Git/GitHub, Figma, Android Studio, VSCode

Databases & Data Processing: MySQL, MongoDB, Firebase, pandas, BeautifulSoup4, NumPy, Flask

Experience

Software Engineer Intern

May 2023 – August 2023

Bell Flight

Fort Worth, Texas

- Developed multiple APIs with ASP.net (C#) and AngularJS for Bell's Lab Manager Web Application
- Full-scale migrated & debugged an existing backend of **Engineering Labs** using AngularJS, C#, & TypeScript
- Engineered an automation bot using advanced algorithms to streamline finance operations, cutting report generation from 8 hours to 25 minutes. Annually, this translates to a savings of 842 hours
- Developed a Python automation tool with pandas to extract specific data from XML datasets, dynamically adjust Excel column widths, and seamlessly export data frames
- Coded a Web Scraper utilizing Python with Selenium library, which automated tasks to download files dynamically

Software Engineer

March 2023 – Present

Pluto Learning 📄

Arlington, Texas

- Founding Software Engineer at Startup, Pluto Learning, lead full-stack development project management with Linear
- Implemented collaborative whiteboard feature in React, Redux for state management, and WebSocket for real-time data synchronization, handled simultaneous interactions of 1000+ users and improving collaboration efficiency by 50%
- Migrated user data, authentication servers from Node.js to Go, achieving 70% reduction in signup response time

Software Engineer Intern

October 2022 – January 2023

VK Consultant Group, LLC

Houston, Texas

- Implemented dynamic web-components using React for VK Career Conversation, LLC website. Designed using Figma
- Engineered a multi-faceted mobile application leveraging React Native framework. The app integrates a series of sophisticated features, including a robust podcast streaming module, optimized for cross-platform compatibility
- Developed high-performance APIs with FastAPI to optimize the home website's backend infrastructure and scalability
- Refactored VK Consultant Group, LLC's web platforms employing cutting-edge React techniques

Artificial Intelligence Research Assistant

May 2022 – Present

Software Engineering Research Center

Arlington, Texas

- **Research Paper: D2S2: Drag 'n' Drop Mobile App Screen Search** 📄
- Developed a high-precision sketching application leveraging partial screening algorithms in React for real-time mobile UI design predictions, in close collaboration with a specialized team of Ph.D. computer scientists
- Enhanced web UI with advanced drag-and-drop and integrated cutting-edge computer vision techniques
- Engineered Figma UI/UX into adaptive React components with enhanced Drag 'n' Drop functionality using ReactJS

Projects

HackUT Austin 2023 Winner – EmployEase

📄 | *ReactJS, ViteJS, Python, MongoDB, GCP, Docker*

October 2023

- Developed a full stack aesthetic responsive Mental Health WebApp utilizing ReactJS, ViteJS, and Tailwind CSS
- Awarded 'Most Innovative Project' for leveraging DevRev capabilities and meticulously fine-tuning Azure OpenAI LLM to enhance mental health solutions by 20%
- Awarded 'Best Design Project' for expertly embodying DevRev's distinct aesthetics, crafting a visual tour de force
- Engineered a dynamic daily stress quantification tool with Streamlit and Python, offering downloadable graphical outputs

HackSMU 2023 Winner – Stocklit.co

📄 | *Python, MongoDB, GCP, Streamlit, Docker*

September 2023

- Developed and deployed a responsive stock analysis dashboard using Streamlit achieving 60% reduction time in development compared to traditional web app frameworks
- Implemented caching mechanisms with MongoDB Atlas, reducing number of paid API calls by 80% from Alpha Vantage
- Dockerized frontend/backend on GCP's Cloud Run with Docker; optimized serverless scaling, reducing latency by 60%

ACM UTA Web Application

📄 | *React, HTML, CSS, JavaScript*

January 2023 – Present

- Developed UI/UX in Figma, transitioned via AngularJS, TypeScript; incorporated navbar and WebSocket notifications
- Utilized Promises to handle API requests efficiently, ensuring timely updates and fetching real-time information by 50%