

ddanton175@gmail.com
(563) 514-5349

Danton Dang
Davenport, IA

LinkedIn: ddang175
GitHub: ddang175

Education

Ames, IA	Iowa State University	Expected Graduation: May 2027
-----------------	------------------------------	--------------------------------------

Bachelor's in Software Engineering GWC Scholar (Full-Ride), **GPA: 4.00**

Relevant Coursework: Algorithms & Data Structures, Website Development, Embedded Systems, Discrete Mathematics, Digital Logic, Object Oriented Programming

Employment

Software Engineering Intern	Principal Financial Group	May 2025 - August 2025
------------------------------------	----------------------------------	-------------------------------

(Site Reliability Engineering)

- Migrated 100+ AWS resources across regions by modifying **Infrastructure as Code (IaC)** and deploying updated **CloudFormation stacks** via **AWS CDK**, ensuring compliance with Principal's regional standards
- Automated label synchronization between **Nobl9** projects and **ServiceNow** through a daily **AWS Lambda CRON job**, eliminating a manual process and improving accuracy
- Upgraded 300+ AWS Lambdas across 10+ accounts by updating IaC and CDK deployments, validating functionality through testing and Lambda layer adjustments, to avoid deprecated runtimes

Part-Time Software Engineer	John Deere Financial	May 2024 - Present
------------------------------------	-----------------------------	---------------------------

- Collaborated to develop a Security Access Management application that services 470+ managers worldwide, saving over **\$18,000** every year in labor and manual overhead.
- Developed an internal tool for the Database Management team to automate **JIRA** ticket creation, manage **AWS EC2** lifecycle events, and display tables, improving request handling efficiency.
- Optimized employee data integrity by automating the correction of invalid employee IDs in a 2000+ record database, accurately updating over **100+ entries**, and reducing manual cleanup efforts.
- Engineered a **Node.js** and **TypeScript** CRON job using **Prisma ORM** and Deere's **HR API** to automatically delete/update terminated employee records, ensuring up-to-date records in production.
- Authored API documentation for adhering to internal API standards (SALAD), detailing secure API Gateway integration and best practices for protecting **AWS Lambda** functions.

Projects

NCT 127 - NASA Patent Tracker and Library	April 2025
--	-------------------

- Developed a full-stack web application enabling users to search, save, and annotate NASA patents using the **NASA TechTransfer API**, targeting educational and research use cases.
- Implemented user authentication, profile management, and patent saving with notes, tags, and links.
- Created **RESTful backend API** using **Node.js** and **Express**, handling all CRUD operations for user data and patents; integrated with **MongoDB** for persistent data storage.

John Deere CSA Class Co-op - Crop Harvest Time Predictor	January 2022- May 2022
---	-------------------------------

- Collaborated with other students using **Agile** methodologies while being mentored by senior developers and UI/UX designers.
- Utilized **Google Firebase** to authenticate users and store user information in **Realtime Database**.
- Built UI/UX by conducting user interviews, creating Figma designs, and developing the front-end with **Android Studio**

Skills

Languages: TypeScript, Java, Python, JavaScript, C, HTML, CSS, Verilog

Technologies/Frameworks: AWS, Next.js, React, Node.js, Jenkins, MongoDB, Firebase, Express, PostgreSQL

Software and Tools: Git, GitHub, JIRA, Nobl9, ServiceNow, Bruno, VS Code, Android Studio