

# Tanaka Makoni

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## EDUCATION

### Davidson College

Bachelor of Science, Computer Science

Davidson, NC

Expected May 2028

- **Coursework:** Linear Algebra, Software Design, Game Development, Database Systems, Discrete Structures
- Awards: Belk Merit Scholarship, Chidsey Fellow, Hack@Davidson 2025 "Best AI Chat Tool", Bernard Society of Mathematics

## SKILLS

- **Languages & Frameworks:** Python, Java, SQL, Javascript, C#, React, Typescript, Svelte, Node.js, Tableau, FastAPI, HTML, CSS
- **Technologies:** Docker, MondoDB, PostgreSQL, Git, Django, Flask, Figma, Tensorflow, PyTorch, Scikit-learn, Matplotlib, Linux

## WORK EXPERIENCE

### The Jay Hurt Hub for Innovation and Entrepreneurship, Davidson College

Davidson, NC

Student Consultant

May 2025 - Present

- Built automated payout and transaction logging workflow using n8n and Zapier, integrating Forest Systems, Bill.com and Excel for multi-party payments and webhook processing
- Evaluated AI-powered website platforms and delivered technical recommendations for organizational website redesign
- Redesign client websites to improve booking workflows and strengthen brand recognition increasing engagement by 30%

### Truist Immersive Learning Experience

Charlotte, NC

Innovation & Design Externship

October 2025

- Participated in an immersive, in-person innovation experience in partnership with Truist, focused on applying design thinking to real-world financial and consumer engagement challenges
- Collaborated with a multidisciplinary student team to develop strategies for creating unique, memorable fan experiences tied to the Truist Championship, from ideation through presentation

### Algorithms for Learning in Physics Applications (ALPhA) Lab

Davidson, NC

Undergraduate Researcher

May 2025 - July 2025

- Enhanced understanding of latent space representations in TPCNet, a self-supervised deep learning model based on PointNet, to capture key features of 3D point cloud data from the Active-Target Time Projection Chamber (AT-TPC)
- Applied machine learning techniques including linear/logistic regression, support vector machines (SVM), and clustering methods like K-means and t-SNE

## PROJECTS

### Course Review Aggregator

Charlotte, NC

- Built automated ETL pipelines to ingest and transform professor data into structured JSON datasets for analytics and search
- Engineered a Selenium + BeautifulSoup pipeline to extract, clean, and store ratings, tags, and review JSON data

### Personalized Finance Assistant | [View](#)

Charlotte, NC

- Designed a modular backend for financial document ingestion, parsing, and analytics using FastAPI and Pandas.
- Implemented PDF and CSV ingestion pipelines with automated normalization and schema validation for transaction records.

### Game Development | [View](#)

Charlotte, NC

- Designed interactive software systems using Unity and C#, applying OOP and event-driven architectures
- Built gameplay mechanics, physics interactions, and state management systems using reusable, modular scripts to support real-time user interaction, rapid iteration, and scalable feature expansion

## LEADERSHIP AND INVOLVEMENT

### Hack@Davidson

Davidson, NC

Sponsorship Team Lead

October 2024 - Present

- Secured and managed sponsorships from leading tech companies in the greater Charlotte area, raising \$10,000+ in funding to support event logistics, prizes, and participant engagement
- Coordinated with sponsors to promote their brand through event materials, social media, and virtual booths, increasing sponsor visibility and engagement by 25%

### Davidson Entrepreneurship Club

Davidson, NC

Social Media & Marketing Lead

April 2025 - Present

- Drive marketing strategy and content creation on Instagram and LinkedIn, boosting engagement and broadening reach across academic departments and helping secure \$20,000 in funding
- Organized Davidson's 2025 Techstars Startup Weekend, raising \$5,000+ in sponsorships and engaging 35+ participants in a 54-hour entrepreneurial event

### Chidsey Leadership Fellows

Davidson, NC

Special Events Committee

Aug 2025 - Present

- Selected as one of 16 students (from 100+ applicants) for three-year leadership development training focused on ethical, community oriented leadership
- Engage in experiential curriculum including leadership dialogues, coaching sessions, and a \$2,500 summer immersion experience designed to apply leadership principles in real-world contexts