Finn Doornweerd

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Portfolio: fdoornweerd.github.io

EDUCATION

Washington University in St. Louis - McKelvey School of Engineering　　　　　　**St. Louis, MO**
B.S. in Computer Science and Economics & Strategy　　　　　　　　　　　　　　　*Expected May 2026*
- GPA: 3.93/4.00
- Honors: Dean's List (all applicable semesters), 2023 St. Louis Entrepreneurial Fellow

Relevant Coursework: *Data Structures and Algorithms, Object-Oriented Software Development, Introduction to Data Science*

Technical Skills: Java, JavaScript, Python (NumPy, PyTorch, Pandas), C++, SQL, MATLAB

EXPERIENCE

Swipesum　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　**St. Louis, MO**
Software Engineer Intern　　　　　　　　　　　　　　　　　　　　　　　*June 2023 - Present*
- Integrated fee extraction for various types of credit card processing statements by writing 30+ scripts, increasing efficiency by 34%
- Automated SQL query generation process which categorized 300+ fees, increasing efficiency by 70%
- Designed a system to improve OCR text extraction precision, increasing accuracy by 15%
- Executed and wrote 35+ test cases for Visa's TGS program in collaboration with a Visa Director

Consult Your Community　　　　　　　　　　　　　　　　　　　　　　　**St. Louis, MO**
Consultant　　　　　　　　　　　　　　　　　　　　　　　　　　　*January 2023 - Present*
- Identified 6+ <$5mm annual revenue companies for a St. Louis B2B AI startup to consider acquisition by using Pitchbook to present relevant M&A opportunities to C-Suite executives
- Specialized in IT and HR verticals by conducting market research on 30+ related firms in STL region

PROJECTS

LinguaLink　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Team*
- Awarded 3rd place at WashU's 2023 Hackathon by building a website that matches language learners
- Developed an algorithm to connect similar users, a pathway to call with matches, and chatbot that converses with users in their desired language
- Utilized Angular for frontend, Supabase for the database, and the OpenAI API for the chatbot

Fully Connected Neural Network　　　　　　　　　　　　　　　　　　　　*Individual*
- Implemented a FCNN from scratch using NumPy trained with the MNIST digit database
- Achieved a 95% accuracy that was attained using optimization features like dropout and momentum

LEADERSHIP

Washington University in St. Louis- McKelvey School of Engineering　　　　　**St. Louis, MO**
Undergraduate Teaching Assistant - Data Science Playground　　　　　　　　*July 2023 - Present*
- Partnered with professor to teach and assist 50+ students with topics including data visualization, data cleaning, and machine learning models such as linear regression and KNN

Alpha Kappa Psi Professional Fraternity　　　　　　　　　　　　　　　　**St. Louis, MO**
Director of External Affairs　　　　　　　　　　　　　　　　　　　　　*May 2023 - Present*
- Coordinated and expanded Corporate Sponsorship Program to increase internal scholarships
- Organized alumni database and connected with 350+ alumni to enhance relations

ADDITIONAL

- **Extracurriculars:** Alpha Kappa Psi, WashU Powerlifting Team, Hack WashU, STRIKE Magazine
- **Interests:** Sewing, Soccer, Thrifting, Knitting, Hip-Hop Dance