

# Finn Doornweerd

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Portfolio: <https://fdoornweerd.github.io>

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## EDUCATION

### Washington University in St. Louis - McKelvey School of Engineering

St. Louis, MO

B.S. in Computer Science and Finance

Expected May 2026

- GPA: 3.95/4.00

- Honors: Dean's List (all applicable semesters), 2023 St. Louis Entrepreneurial Fellow

**Coursework:** Data Structures and Algorithms, Object-Oriented Software Development, Rapid Prototype Development

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

## EXPERIENCE

### Reinsurance Group of America

St. Louis, MO

Incoming Software Engineer Intern

June 2024 - August 2024

### Swipesum

St. Louis, MO

Software Engineer Intern

June 2023 - Present

- Integrated fee extraction for various types of credit card processing statements by writing 65+ scripts, increasing efficiency by 34%
- Automated SQL query generation process which categorized 500+ 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

Engagement Manager

January 2023 - Present

- Guided a team of 5 on a pro-bono consulting engagement with an arts foundation non-profit, researching economic development opportunities and developing strategies regarding engagement
- Coordinated and led meetings with the client to provide project updates and present recommendations

## 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

Recruitment Director

December 2023 - Present

- Responsible for the management of rush events for 200+ students in collaboration with a team of 3

Director of External Affairs

May 2023 - December 2023

- Coordinated and expanded Corporate Sponsorship Program to increase internal scholarships
- Organized alumni database and connected with 350+ alumni to enhance relations

## ADDITIONAL

- **Extracurriculars:** WashU Rowing, WashU Club Powerlifting, Hack WashU, STRIKE Magazine
- **Interests:** Sewing, Soccer, Thrifting, Knitting, Juggling