

Daniel Arn

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302 W Murdock Street
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EDUCATION

ANDREWS UNIVERSITY, Berrien Springs, MI
B.S., Computer Science
Math Double Major (Nondegree)

Expected Graduation: June 2022
GPA: 3.96/4.00

EXPERIENCE

WHIRLPOOL CORPORATION, Saint Joseph, MI
Data Science Intern

JUNE 2018 – AUGUST 2018

- Worked in a team of interns to develop a Python classifier to sort Whirlpool product reviews, using natural language processing, and analyze their sentiment, positive or negative

ANDREWS UNIVERSITY COLLEGE OF PROFESSIONS, Berrien Springs, MI
IT Technician

SEPTEMBER 2018 – PRESENT

- Managed the College's Windows, including Server, MacOS, and Linux systems
- Created and managed an intranet site to facilitate access to class recordings for faculty and students
- Worked in a team to deploy new back-up strategies for faculty computers
- Worked with a team of students and teachers in a joint project with Tanager International to develop a financial tracking and education web-app and Android app for rural villages in Burkina Faso

MAJOR PROJECTS

LC-3 SIMULATION (Assembly/Machine Code)

- Simulated a nearly complete LC-3 processor in Logisim
- Implemented instruction decoding and memory systems to store and read back data

WHIRLPOOL CLASSIFIER (Python)

- Program written in Python, uses NLTK, Pandas, SciPy, to analyze customers' product reviews and classify them based on product type, product function, and sentiment.

SELEVER (Android [Java]/MySQL)

- Android app to serve as a budgeting aid for poultry farmers in Burkina Faso. Uses an SQLite database to store app information and syncs it to a server-side MySQL database.

SEED (PHP/AJAX/MySQL/Android [Java])

- Web app to serve as a financial aid for farmers in Burkina Faso. Uses an AMP (Apache, MySQL, PHP) stack to host the app online and on individual tablets and Raspberry Pi's distributed to villages.
- Android app written in native Java uses a Java class to communicate to a PHP API to exchange data with a central server accessed also by the web app above

TECHNICAL SKILLS

Java • Python • C# • PHP • MATLAB
PHP • HTML • CSS • MySQL

Visual Studio • JetBrains Suite • Adobe Suite
Linux • Windows • Android