

AMBERLYN SCHJOLL

RELATED PROJECT

Data Collection Application for Breaking Ground (Homeless Solutions Org.)

January 2018 – May 2019

- Worked on a team of four students. Gathered requirements from client in NYC by shadowing current homeless solutions data collection process. Began conceptualizing ideas to make the process more efficient.
- Utilizing *mySQL*, *JavaScript*, *Jade*, and *Materialize CSS*, we built their internal-use web application alongside a database, to work with their existing solutions.
- Built application to display clients on an interactive map, input client data, and view current data in a mobile-friendly system.
- Responsible for design aspects and communicating directly with Breaking Ground's data department head on a weekly basis to gain feedback on the app and client specification needs.

PROFESSIONAL EXPERIENCE

Application Development Intern at Zudy

May 2018 – Present

- Creates internal business applications using a low-code platform, database skills, and web design principles.
- Builds and maintains internal applications for Zudy such as a request management application (300+ users), a client showcase application (50+ users), and a voting application (50+ users).
- Communicates clearly and efficiently with administrative and area leaders to determine internal application needs and feature revisions.
- Developed 2 widgets using *JavaScript*: a geolocation widget that grabs a uses GIS data and populates fields based on user data, and a text mask widget that creates a mask in the target's text box based on user input and then stores the inputted data.
- Developed 2 Proof of Concept applications and followed applications through their lifecycle
- Modeled in *LucidChart* and built 3 application databases.
- Worked heavily building out report data models, designing reports, and building reports in with *SAP Crystal Reports*, requiring a strong attention to detail.
- Implemented and designed an email workflow to email a list of users when a new application goes into production.

College of Engineering Undergraduate Teaching Assistant

August 2019 – Present

- Oversees CS 115: Introduction to Programming course lab using *Python* and assists students in lab exercises.
- Monitors assessments while proctoring exams and performing academic tutoring outside of course hours.

Software Development Intern at BlueFrame Technology

May 2017 – September 2017

- Developed in *Objective-C* for XML data extraction and conversion to JSON data.
- Revised websites used as a video overlays using *JavaScript*, *HTML*, and *CSS*.
- Manipulated JSON data to be used as a hierarchy for sorting sports teams, players, and player stats

Research and Development Intern at Big Ass Solutions

May 2016 – September 2016

- Worked extensively with excel, graphing large amounts of data.
- Comprehensively researched and wrote a literature review on how BAS products could be used with OEMs in a system to change environmental conditions and ultimately alter biological reactions in various equines.

CONTACT INFORMATION



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EDUCATION

University of Kentucky – Lexington, KY

Projected Graduation – May 2020

**Bachelor of Science in Computer Science,
Economics Minor**

Senior, GPA: 3.2

COMPUTER SKILLS

Proficient:

C++ SQL Python

Knowledgeable:

C PHP

Professional Experience:

JavaScript HTML Objective-C

LEADERSHIP & ORGANIZATIONS

College of Engineering Student Outreach Ambassador

May 2017 – Present

- Presents engineering and computer science activities and experiences to elementary, middle, and high school students, while attending STEM conferences and events to promote higher learning in STEM fields.

Vice President, Association for Computing Machinery – Women (ACM-W)

December 2017 – May 2019

- Served the chapter of 25+ members and \$7K annual budget to provide professional development and social opportunities for women in computer science and ICT
- Monitored timelines of all events to ensure they moved forward efficiently. Communicated consistently with advisors and company representatives.
- Conducted outreach activities to promote STEM career paths for girls. Organized and lead biweekly professional development workshops on Computer Science related topic