

AMBERLYN SCHJOLL

PROJECT EXPERIENCE

Economic Analysis on Bluegrass Greensource (Environmental Solutions Org.)

August 2019 – December 2019

- Lead a team of five students in meeting with our client and creating a 60-page economic analysis and recommendation report for the course: Economics of Altruism and Nonprofit Organizations.
- Gathered information about current client activities, outreach, mission, and business operations.
- Conducted RISE Analysis, Logic Analysis, Impact Analysis, Cost/Benefit Analysis, SWOT Analysis, and Controlled Experiment (statistical) Analysis to benefit our community partner.
- At the end of the semester, we had the unique opportunity to allocate a large sum of money to one of the local non-profit organizations the class is working with.

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

January 2018 – May 2019

- Lead a team of four students. Gathered requirements from client in NYC by shadowing current homeless solutions data collection process. Began hypothesizing ideas to make the process 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, store client input 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 specifications.

PROFESSIONAL EXPERIENCE

Application Development Intern at Zudy

May 2018 – Present

- Created business applications using a low-code platform, database skills, and web design principles.
- Built and maintained internal applications for Zudy such as a request management application (300+ users), a client showcase application (50+ users), and a voting application (50+ users).
- Worked heavily on building out report data models, designing reports, and building reports with *SAP Crystal Reports*, requiring strong attention to detail.
- Communicated 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 and 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 3 Proof of Concept applications and followed applications through their lifecycle.

College of Engineering Undergraduate Teaching Assistant

August 2019 – Present

- Oversaw the Introduction to Programming lab using *Python* and the Introduction to Program Design, Abstraction and Problem-Solving lab using *C++* and assisted students in lab exercises.
- Provided academic tutoring outside of course hours, graded all assignments, and proctored exams.

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 video overlays using *JavaScript*, *HTML*, and *CSS*.
- Manipulated JSON data to be used as a hierarchy for sorting sports teams, players, and 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 in a system to change environmental conditions and alter biological reactions in various equines.

EDUCATION

University of Kentucky - Lexington, KY

Projected Graduation - May 2020 (Senior)

Bachelor of Science in Computer Science,
Economics Minor (Cumulative GPA: 3.3)

COMPUTER SKILLS

Proficient:

C++ SQL Python JavaScript HTML

Familiar:

C PHP Objective-C

LEADERSHIP & ORGANIZATIONS

College of Engineering Student Outreach Ambassador

May 2017 – May 2019

- Presented 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 topics.

CONTACT INFORMATION

📞 (859) 569-8874

✉️ amberlyn.schjoll@uky.edu

👤 github.com/aschjoll