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| **ADRIENNE F. CORWIN**  502-599-2597 | adriennecorwin@gmail.com | 1206 Everett Ave, Louisville, KY 40204 | | |
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| **EDUCATION** |  |  |
| **Bachelor of Science in Computer Science**  University of Kentucky**,** Lexington, KY  **Minor:** Mathematics  **GPA:** 4.0  **Honors:** Chellgren Fellowship, College of Engineering Dean’s List, College of Engineering Scholarship, Governor’s Scholars Program Provost Scholarship  **Relevant Courses:** Calculus I - IV, Computer Networking, Computer Ethics, Databases, Artificial Intelligence, Computer Graphics, Business Management, Spanish Composition, Engineering Statistics | | Anticipated Dec. 2019 |
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| **SKILLS AND QUALIFICATIONS** | |  |
| * Experience in: C, C++, Objective C, Python, Java, Javascript, PHP, SQL, HTML, Swift, MATLAB, R | |  |
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| **EXPERIENCE** |  |  |
| **Intern,** 40hours/week  ***Department of Justice,*** *Louisville, KY*   * Obtained more in-depth understanding of the organization’s responsibilities and work through briefings and trainings. * Worked with the IT Department assisting in troubleshooting computer problems and meeting the technological needs of DOJ employees. * Searched for, analyzed, and compiled data for investigations. | | June 2019 – Aug 2019 |
| **Intern*,*** 14-40hours/week  ***BlueFrame Technology,*** *Lexington, KY*   * Improved player and team statistics graphics feature for customers to use during livestreams (HTML, Javascript). * Integrated remote livestreaming capability for three different device types to mobile application (Objective C). * Developed application to collect data from video frames to train a machine learning model to follow action of a basketball game (Python). | | Jan 2018 - Present |
| **Research Assistant (Topic: AI Rationalization),** 5-10hours/week  ***University of Kentucky Computer Science Department, Dr. Brent Harrison,*** *Lexington, KY*   * Explore training an autonomous agent to rationalize its actions in a human understandable way in order to increase transparency and build trust between humans and AI. * Successfully trained machine learning model to form rationalizations (with a set grammar) given a start and end state of a gaming environment using reinforcement learning, a sequence to sequence network, beam search, and precision, recall, and bleu score analytics (Python/Pytorch). * Exploring ways to train a model that can put formed rationalizations into hierarchal order. | | Jan 2018 – Present |
| **Intern*,*** 12hrs/week  ***DBS Interactive,*** *Louisville, KY*   * Improved and added to the company’s time/task management interface by parsing, organizing, interpreting, and formatting large datasets into a database and then into displayable tables. | | May 2017 - July 2017 |
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| **ORGANIZATIONS & PROJECTS** | |  |
| **Association for Computing Machinery's Council on Women in Computing, (ACM-W),** *Member*   * Attended regular meetings that focused on community and professional development for women in STEM. * Led Hour of Code sessions to expose more children to computer programming and peak their interest in it. | | Aug 2016 -Present |
| **Breaking Ground Team,** *Member*   * Worked with three other ACM-W members to develop a web application for Breaking Ground (New York City based nonprofit organization providing services for the homeless population) which improved their efficiency by allowing real time tracking, data entry, and querying of their homeless clients. * Conducted site visit to the organization in New York City and shadowed the outreach workers in the field in order to gain a better understanding of the features needed in the application. * NodeJS, Javascript, Jade, Materialize CSS, and SQL | | Aug 2017 - May 2019 |
| **Tutor, *The Study,*** 12hrs/week   * Worked with a team to tutor groups of 2-10 students on difficult Calculus I and II concepts. * Attended regular professional developments to improve tutoring techniques | | June 2017 - May 2018 |