

<b>OBJECTIVE</b>	Second Computer Engineering/Science Co-op Position	January 2 – May 4, 2018
<b>EDUCATION</b>	<p><b>Bachelor of Science in Computer Engineering/Computer Science</b> Expected May 2020</p> <p><b>Master of Engineering in Computer Engineering/Computer Science</b> Expected May 2021</p> <p>J.B. Speed School of Engineering, University of Louisville, Louisville, Kentucky <b>GPA 4.0/4.0</b></p> <p><i>Responsible for 100% of tuition</i> Hours Completed: 75</p> <p><b>High School Diploma</b> May 2016</p> <p>Randall K. Cooper High School, Union, Kentucky <b>GPA 4.6/4.0</b></p>	
<b>SKILLS/COURSEWORK</b>	<p><b>Technical Skills/Relevant Coursework</b></p> <ul style="list-style-type: none"> <li>• Web Development – Node JS</li> <li>• C, C++</li> <li>• Java</li> <li>• MongoDB</li> <li>• C#, Unity</li> <li>• Python</li> <li>• Vim</li> <li>• Heroku</li> <li>• Data Structures</li> <li>• Selenium</li> <li>• Git/GitHub</li> <li>• Android Development</li> <li>• IntelliJ/Eclipse/Visual Studio</li> <li>• Arduino/Basic Electronics</li> <li>• JSON/XML</li> </ul>	
<b>APPLIED EXPERIENCE</b>	<p><b>Course Projects:</b></p> <p><b>C/C++:</b> Interfaced Arduino circuitry and code with a self-constructed windmill to perform calculations and display output to LCDs. (See <a href="http://www.github.com/aaronfox/ENGR-111-Arduino-Windmill-Display">www.github.com/aaronfox/ENGR-111-Arduino-Windmill-Display</a>.)</p> <p><b>Independent Projects:</b></p> <p>Personal Website and Blog. Used MongoDB, ExpressJS and NodeJS. (See <a href="http://www.aaronfox.me">www.aaronfox.me</a>)</p> <p>Unity Game Development: Created a 3D shooting game with intelligent AI enemies</p> <p><b>Redbird Robotics:</b> Created a GUI using Python and implemented several APIs to pass data to and from the GUI and an autonomous drone.</p> <p><b>Hackathons:</b></p> <p><b>Hack The Hill (WKU):</b> Placed third by creating a bot that directly contacts and replies to representatives and senators, advocating for Net Neutrality. (see <a href="http://www.github.com/aaronfox/Net-Neutrality-Bot">www.github.com/aaronfox/Net-Neutrality-Bot</a>)</p> <p><b>VandyHacks (Vanderbilt University):</b> Created a Virtual Reality escape room game using the Unity Gaming Engine for Oculus Rift, making sure to include plenty of memes.</p> <p><b>RevolutionUC (University of Cincinnati):</b> Created a fan hub based off the podcast <i>Hello Internet</i>, which included games such as “CGP Grey Flappy Bird” and “Podcast Bingo.” (see <a href="http://www.hellointernetbingo.com">www.hellointernetbingo.com</a>.)</p> <p><b>CatHacks 3 (University of Kentucky):</b> Competed in the Gatton Fintech Challenge and created a web app called “Decentral,” a micro-lending loans prototype. (see <a href="http://www.github.com/aaronfox/Decentral">www.github.com/aaronfox/Decentral</a>.)</p>	
<b>WORK EXPERIENCE</b>	<p><b>Great American Insurance Company</b> June 2016 - August 2016</p> <p><i>DevOps Intern – 40 hours/week</i> Cincinnati, OH</p> <ul style="list-style-type: none"> <li>• Developed service to improve Health Dashboard UI for code complexity using Java Code Coverage.</li> <li>• Learned best development practices from sources such as Pluralsight and Safari Books Online.</li> <li>• Headed a Code Kata presentation demonstrating a basic workflow with Docker Hub.</li> <li>• Participated and explored activities and events such as daily scrums, sprint planning, and retrospectives using the Scaled Agile development framework.</li> </ul> <p><b>Reach Ambassador</b> August 2017 - Present</p> <p><i>General School Ambassador</i> Louisville, KY</p> <ul style="list-style-type: none"> <li>• Mentoring seventy first year CECS students and guiding them through their first year of college.</li> </ul>	
<b>ACTIVITIES/HONORS</b>	<p>Co-Captain and Technology Manager, <b>Redbird Robotics</b>, June 2017 - present</p> <ul style="list-style-type: none"> <li>- Developed GUI and utilized various Python and Autonomous Drone APIs</li> <li>- Communicated with aerial robotics drone using the Robot Operating System (ROS)</li> </ul>	

- Won second place in the International Aerial Robotics Competition at Georgia Tech
- Used heavy version control to integrate all drone sub-team's work

**Louisville Makes Games!**, January 2017 - Present

- Participating in workshops and meetups to learn collaborative indie game development.

Member, **Association for Computing Machinery** (ACM), August 2016 - present

- Participating in the Hacking Student Interest Group

**Brown Fellows Program**, June 2016 – Present

- One of UofL's premier full scholarships which includes two world travel enrichment projects.
- Currently planning enrichment project to improve Ghanaian communities through technology.

**Valedictorian**, Randall K. Cooper High School

**Freshman LEAD**, August 2016 – June 2017

- Engaged in community events and developed leadership skills.
- Initiated and carried out a Clinton Global Initiative Project with my team through Uspiritus.

**Kentucky Governor's Scholar** Program Alumnus

**Team Captain**, High School Baseball and Basketball Teams, Cooper High School, May 2015 – May 2016