

OBJECTIVE	Second Computer Engineering/Science Co-op Position	January 2 – May 4, 2018
EDUCATION	<p>Bachelor of Science in Computer Engineering/Computer Science Expected May 2020</p> <p>Master of Engineering in Computer Engineering/Computer Science Expected May 2021</p> <p>J.B. Speed School of Engineering, University of Louisville, Louisville, Kentucky GPA 4.0/4.0</p> <p><i>Responsible for 100% of tuition</i> Hours Completed: 75</p> <p>High School Diploma May 2016</p> <p>Randall K. Cooper High School, Union, Kentucky GPA 4.6/4.0</p>	
SKILLS/COURSEWORK	<p>Technical Skills/Relevant Coursework</p> <ul style="list-style-type: none"> • Web Development – Node JS • C, C++ • Java • MongoDB • C#, Unity • Python • Vim • Heroku • Data Structures • Selenium • Git/GitHub • Android Development • IntelliJ/Eclipse/Visual Studio • Arduino/Basic Electronics • JSON/XML 	
APPLIED EXPERIENCE	<p>Course Projects:</p> <p>C/C++: Interfaced Arduino circuitry and code with a self-constructed windmill to perform calculations and display output to LCDs. (See www.github.com/aaronfox/ENGR-111-Arduino-Windmill-Display.)</p> <p>Independent Projects:</p> <p>Personal Website and Blog. Used MongoDB, ExpressJS and NodeJS. (See www.aaronfox.me)</p> <p>Unity Game Development: Created a 3D shooting game with intelligent AI enemies</p> <p>Reflection: Puzzle game created using Unity2D. (See www.github.com/aaronfox/Reflection)</p> <p>Redbird Robotics: Created a GUI using Python and implemented several APIs to pass data to and from the GUI and an autonomous drone.</p> <p>Hackathons:</p> <p>Hack The Hill (WKU): Placed third by creating a bot that directly contacts and replies to representatives and senators, advocating for Net Neutrality. (See www.github.com/aaronfox/Net-Neutrality-Bot)</p> <p>VandyHacks (Vanderbilt University): Created a Virtual Reality escape room game using the Unity Gaming Engine for Oculus Rift, making sure to include plenty of memes.</p> <p>RevolutionUC (University of Cincinnati): 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 www.hellointernetbingo.com.)</p> <p>CatHacks 3 (University of Kentucky): Competed in the Gatton Fintech Challenge and created a web app called “Decentral,” a micro-lending loans prototype. (See www.github.com/aaronfox/Decentral.)</p>	
WORK EXPERIENCE	<p>Great American Insurance Company June 2016 - August 2016</p> <p><i>DevOps Intern – 40 hours/week</i> Cincinnati, OH</p> <ul style="list-style-type: none"> • Developed service to improve Health Dashboard UI for code complexity using Java Code Coverage. • Learned best development practices from sources such as Pluralsight and Safari Books Online. • Headed a Code Kata presentation demonstrating a basic workflow with Docker Hub. • Participated and explored activities and events such as daily scrums, sprint planning, and retrospectives using the Scaled Agile development framework. <p>Reach Ambassador August 2017 - Present</p> <p><i>General School Ambassador</i> Louisville, KY</p> <ul style="list-style-type: none"> • Mentoring seventy first year CECS students and guiding them through their first year of college. 	
ACTIVITIES/HONORS	Co-Captain and Technology Manager, Redbird Robotics , June 2017 - present	
	- Developed GUI and utilized various Python and Autonomous Drone APIs	

- Communicated with aerial robotics drone using the Robot Operating System (ROS)
- 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

Tau Beta Pi Engineering Honor Society, December 2017 – Present (*limited to top 1/8th of junior class*)

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