UNIVERSITY OF
LOUISVILLE®

J.B. SPEED SCHOOL
OF ENGINEERING

Andrew Combs

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EDUCATION	**Bachelor of Science in Computer Engineering/Computer Science**	May 2017
	Master of Engineering in Computer Engineering/Computer Science	Expected Jul 2018
	J.B. Speed School of Engineering, UofL, Louisville, KY	**GPA 3.88/4.0**
	Dates attended 8/2017 - present	Hours Completed: 25
	Responsible for 100% of tuition costs	

SKILLS/ COURSEWORK

Technical Skills/Relevant Coursework

- C# .NET Development
- C, C++, and LabVIEW Programming
- Web Design with HTML, CSS, PHP, Javascript, mySQL

- Basic Electronics
- MySQL and MS SQL CE Databases
- Basic Fusion 360 and Solid Works
- Basic Inkscape and Gimp

APPLIED EXPERIENCE

Hackathon Participant: Worked with teams to develop projects such as industrial safety device, wireless motion detector, text to speech app using AWS, data storage on VHS, accessibility device for the visually impaired, and word search puzzle solver under strict time and resource constraints.

Lead Programmer: Lead a team to design, implement and debug control software for a FIRST Robotics Challenge robot using **LabVIEW**. Taught programming to incoming students. Member of Student Steering Committee during team restructure.

Scouting: Lead Eagle Scout service project to create outdoor class area for local elementary school. Designed class area in 3D CAD, coordinated with school officials, raised funds from community businesses, sourced materials, recruited volunteers and lead work days.

Independent Project: Website Design with **HTML**, **CSS**, **PHP**, and **Javascript**.

WORK EXPERIENCE

CBS Interactive   Louisville, KY
Associate Web Developer   April 2018 – Present
- Front-end web development on CNET using **HTML**, **SASS**, **Javascript**, **Twig**, and **PHP**
- Collaborate using **Agile** methodology, **Jira** issue tracking, and **Git** version control

CMI Inc / MPD Inc   Louisville, KY
CECS Co-op   January 2015 – May 2015
- Work with a team to maintain and update a **C#** application   August 2015 – January 2015
- Work with a team to maintain and update **MS SQL CE** databases May 2016 - August 2016
                                                                                 May 2017 - July 2017

Savvy Home Supply   Louisville, KY
Web Design   Nov 2012 – Nov 2015
- Design and develop company websites
- Use **HTML**, **CSS**, **PHP**, **Javascript**, **jQuery** and **mySQL**
- Design signage in **GIMP**

Camp Crooked Creek BSA   Shepherdsville, KY
Merit Badge Instructor   June 2012 – July 2012
- Teach robotics and inventing merit badges
- Use Lego Mindstorms NXT and Boe-Bot robotics platforms

ACTIVITIES & HONORS

- **Eagle Scout**, Troop 421 BSA October 2013
- **CECS Arthur M. Riehl Award** Recipient, 2018
- Vice President, **Association for Computing Machinery** (ACM) UofL Chapter, 2017-2018
- Hobbies include competing at **Hackathons**, Developing Websites, and electronics projects with Arduino, Raspberry Pi, TI Launchpad, etc.
- **Programming Team Lead** and **Co Team Captain** FRC Team 2783 2012-2013