EMILY **WILSON**

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(636) 485-5396 · emwilson@wustl.edu

LANGUAGES

- Java
- HTML5 & CSS
- JavaScript
- *C/C++ (with Arduino)
- *PHP
- *MySQL
- *C# (with Unity)

*currently learning

OTHER SKILLS

- Adobe InDesign
- Google Firebase
- Microsoft Office
- Google Drive
- Data Visualization with D3

COURSEWORK

- Data Structures & Algorithms
- Logic & Discrete Mathematics
- Rapid Prototype Development & Creative Programming
- Object-Oriented Software Development Laboratory
- Video Game Development
- Database Management Systems *(SP19)*
- Data Visualization *(SP19)*
- Analysis of Algorithms *(SP19)*

AWARDS & HONORS

- McKelvey School of Engineering: Outstanding Junior in CS *(2019)*
- Dean's List *(August 2016 – present)*
- National AP Scholar *(2016)*

LINKS

- Personal Website
  wilsonem.github.io
- LinkedIn
  linkedin.com/in/em-wilson/
- GitHub
  github.com/wilsonem
- GWC WashU Website
  gwcwashu.com
- FHN Spectra
  wilsonem.github.io/spectra

EDUCATION

WASHINGTON UNIVERSITY IN ST. LOUIS – McKELVEY SCHOOL OF ENGINEERING
B.S. in Computer Science, Minor in Psychology (anticipated May 2020)
GPA: 3.81/4.00

EXPERIENCE

FACEBOOK, INC.
Incoming Software Engineering Intern   *(May 2019 – August 2019)*

McKELVEY SCHOOL OF ENGINEERING
CSE 247R TA – Seminar: Data Structures and Algorithms   *(January 2019 – present)*
CSE 132 Head TA – Computer Science II   *(January 2018 – present)*
CSE 131 TA – Computer Science I   *(August 2018 – December 2018)*

- Assist students with learning about microcontrollers and handheld devices, digital and analog I/O, Java basics, recursion, and technical interview prep
- Attend all assigned class periods, hold office hours, proctor and grade exams, and answer student questions through Piazza for over 150 students

GLOBALHACK
Learning Assistant – GlobalHack Summer Camp   *(May 2018 – August 2018)*

- Aided with leading and planning classroom instruction over basic computer science languages and concepts, including HTML & CSS, JS, Scratch, and Python
- Managed a classroom of 20-30 students aged 10-13 years old

WASHINGTON UNIVERSITY UNDERGRADUATE ADMISSIONS OFFICE
Student Tour Guide   *(November 2016 – present)*
Undergraduate Intern   *(May 2017 – August 2017)*

- Collaborated with Admissions Officers at Washington University in St. Louis
- Gave tours of campus, conducted interviews with prospective students, and co-presented at campus information sessions
- Researched data regarding peer institution and helped with office tasks

UNIVERSITY OF KENTUCKY – SPINAL CORD AND BRAIN INJURY RESEARCH CENTER
Visiting Scholar   *(July 2016)*

- Prepared and organized laboratory materials and supplies
- Assisted the research team and attended weekly lab meetings

PROJECTS

FHN SPECTRA WEBSITE

- Built using HTML, CSS, JS and Firebase – a personal project for a former teacher
- An online library of all of the cinderblocks painted by former students, supports different sorting methods and authorized users can add new blocks through a form

ACTIVITIES & ORGANIZATIONS

GIRLS WHO CODE WASHU
Co-Founder, President, and Facilitator   *(April 2017 – present)*

- Facilitate meetings for middle- and high-school girls focused on fostering interest in computer science through the national organization Girls Who Code
- Organize meetings for 30+ facilitators, maintain the Girls Who Code WashU website, and communicate plans through regular email correspondence

DELTA GAMMA FRATERNITY
Director of Alumnae Relations   *(October 2017 – January 2019)*

- Attend weekly chapters, support campus events, and complete service hours
- Communicate with alumnae and plan events for 100+ current and former members