

# DRAKE SHAFER

shafer.231@osu.edu | 614-562-0857 | 5897 Vandeleur Place, Dublin, OH 43016

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## OBJECTIVE

Seeking full-time entry-level computer engineering position starting January 2020

## EDUCATION

The Ohio State University, Columbus, OH

GPA (4.00 scale): 3.428

B.S. Electrical & Computer Engineering, Computer Engineering Program of Study, Mathematics Minor,

Expected Graduation December 2019

**Coursework:** Computer Architecture / Design, Mixed Signal VLSI, HDL Design & Verification

**Scholarships:** Maximus Scholarship, Wheaton Scholarship, Gee Engineering Memorial Fund

**Honors:** Engineering Honors Program, Hilliard Davidson High School Salutatorian (2 out of 433)

## QUALIFICATIONS

- **Leadership:** Cru Small Group Leader (2017 – Present), OSU Quidditch Captain, NHS President
- **Hardware:** TI Launchpad, Raspberry Pi, some experience with FPGA, ARM, & Arduino
- **Software:** Microsoft Office, GSuite, MATLAB, Eclipse, MultiSim, exposure to Quartus, Cadence, TopSpice, LabView, SolidWorks, & Git / Version Control
- **Programming Languages:** Java, C/C++, exposure to Assembly, VHDL, Python, & HTML/CSS

## WORK EXPERIENCE

**Cru** – Online Expansion Intern, Chicago IL, June – August 2018

- Worked as a part of an online team to scout over 2000 students
- Redesigned database to greatly reduce confusion and improve team workflow

**Soupbox** – Crew Member, Chicago, IL, June – August 2017

- Prepared and served food to guests, worked cash register, restocked supplies

**Muirfield Village Golf Club** – Food & Beverage Service Staff, Dublin, OH, Memorial Tournament 2016

- Worked in the clubhouse restaurant; strong emphasis on efficiency and guest satisfaction

## OTHER EXPERIENCE

Senior Capstone Project – Smart Thermostat, Spring 2019

- Used a Raspberry Pi to design a prototype thermostat that utilized AI to improve efficiency

Adaptive Filter VLSI Project, Autumn 2018

- Helped design and test components of the larger adaptive filter circuit
- Built solution on top of 0.18um CMOS logic gates designed earlier in the semester

Cru Summer Missions (2017-2019)

- Developed leadership, teamwork, communication, and fund-raising abilities
- Two 10-week trips to Chicago, IL with ~70 students, Summer 2017 & Summer 2018
- One 6-week trip to Florianopolis, Brazil with ~20 student, Summer 2019

Fusion for the Fight 5K (2015)

- Helped organize and run a completely student led, multi-district 5K, raising over \$2000