

Rachel Connolly

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EDUCATION

University of Michigan, Ann Arbor, MI

Sept 2018 - May 2022

BSE in Computer Engineering, International Minor for Engineers

GPA: 3.50 / 4.00

*Coursework: Operating Systems, Embedded Systems, Data Structures and Algorithms,
Computer Organization, Electronic Circuits, Logic Design*

SKEMA Business School, Sophia Antipolis, France

Jan 2020 - Apr 2020

CEA Study Abroad

EXPERIENCE

Zillow Group, Seattle, WA

May 2021 - July 2021

Software Development Engineer Intern

- Migrated customer credentials from plaintext to AWS secrets infrastructure
- Worked with SQL databases to add cosmetic features to an internal inspector tool
- Won hackweek social impact award for implementing anonymize contacts UI feature

U-M EECS Department, Ann Arbor, MI

Aug 2019 - Present

Instructional Aide

- Led a weekly lab section to teach fundamentals of coding and data structures in C++
- Held weekly office hours to resolve IDE and logic errors in student projects
- Wrote test questions, proctored exams, and graded student responses

Michigan Electric Racing, Ann Arbor, MI

Sept 2018 - Dec 2019

Controls Division

- Engineered BEV to compete in Collegiate Formula SAE competitions
- Developed HV safety loop in C to transmit DTCs over CAN with a microcontroller
- Analyzed real-time telemetry data during 2019 Formula North SAE competition

Subway, Livonia, MI

Jul 2019 - Aug 2019

Sandwich Artist

- Served customers in a timely and respectful manner
- Organized stock and equipment quickly and efficiently

PROJECTS

Personal Website (<https://rachcon.github.io/personal-site>)

May 2020 - Aug 2020

- Built a website with Vue.js to showcase academic achievements and creative interests
- Integrated public APIs to advance web development skills

Electronic Laser Harp

Jan 2019 - Apr 2019

Microprocessors and Toys (ENGR 100)

- Synthesized a laser harp instrument in a team of four using Altera DE2 boards
- Integrated a camera, VGA monitor, stepper motor, and FPGAs with Verilog and assembly

ACTIVITIES

Women in Electrical and Computer Engineering (WECE)

Sept 2020 - Present

- Acquired professional skills at panels and career-building events
- Networked with mentors and professors in my field of study

SKILLS

Programming Languages: C/C++, Java, SQL, Verilog (HDL), HTML/CSS, Vue.js

Training: High voltage safety, Test bench/Circuit Laboratory, Basic machinery