

Erich Pulfer

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Education

Bachelor of Science in Computer Science, University of Arkansas (Fayetteville, AR)

May 2019

- **Minor:** Mathematics
- **GPA:** 3.654
- **Honors:** National Merit Scholar, Honors College Fellow, Chancellor's List, Arkansas Governor's Distinguished Scholar
- **Relevant Coursework:** Programming Paradigms, Digital Design, Programming Challenges, Operating Systems, Computer Networking, Cryptography, Information Security, Applied Cryptography

Work Experience

Walmart Software Engineer

May 2019- Present

- Designed, developed, and tested working back-end service with multiple rest APIs for client-side application handling fleet driver operations
- Supported fleet operation application rollout to 8,000+ end-users
- Collaborated across multiple teams, from tech side to business side to end-user, throughout project
- Deployed multiple projects into multiple environments (dev, cert, & prod)

UARK Freshman Engineering Program Peer Mentor

August 2016 – May 2019

- Selected as a mentor out of 120+ applicants
- Met with 10 freshmen once a week to provide mentorship relevant to their success as engineering students
- Performed as a role model adhering to a code of ethics and professionalism while building a relationship with each of my mentees

Project Experience

Walmart Driver Schedule Optimization

June 2018 - August 2018

- Developed web application for business use designed to optimize scheduling of fleet drivers
- Led team of developers from project beginning to launch
- \$45-60 million ROI from application developed

Interactive Degree Auditing Program

January 2018 - May 2018

- Designed a multi-function interactive program using C++
- Implemented 7 interactive features, including current GPA calculation and generating a comprehensive list of remaining courses

Pipelined CPU

January 2017 – May 2017

- Designed a single-cycle CPU that could read binary machine code as instructions and carry out functions
- Implemented instruction-level parallelism to allow higher CPU throughput

Campus Involvement

Habitat for Humanity Member

March 2016 - May 2019

- Led and participated in multiple community service projects
- Dedicated time to build homes within the Northwest Arkansas Community

University of Arkansas Red Cross Officer

March 2016 – May 2019

- Elected Fundraising Coordinator for the student chapter of the American Red Cross
- \$5,000+ raised via fundraisers and donations
- Cooperate with peers as well as outside off-campus organizations and companies to develop fundraising opportunities

Skills

Languages: Basic Mandarin

Programming: Experienced with C++, C#, Python, Java, Kotlin, Angular, NodeJS, HTML/CSS, Spring Boot, Full Stack Development

Administrative Skills: Proficient with Git, IDEs such as Eclipse and IntelliJ, LaTeX, CI/CD, Looper/Jenkins