

Jayce Bordelon

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EDUCATION

Washington University in St. Louis

Bachelor of Science in Computer Science, Minor in Human Computer Interaction

St. Louis, MO

Aug. 2019 – May 2025

EXPERIENCE

Software Engineering Intern

Mastercard

January 2024 – Present

O'Fallon, MO

Computer Science Lead Teacher's Assistant

Washington University in St. Louis

July 2022 – January 2024

St. Louis, MO

- Managed 100+ other Teacher's Assistants to create student led instruction periods
- Tailored personalized instruction for students of all levels of understanding in Java and C++

Software Engineering Intern

Synopsys

May 2023 – August 2023

Sunnyvale, CA

- Architected, created, containerized, and deployed a visualization application for Kubernetes
- Automated the synchronization of over 20,000 *LDAP (Lightweight Directory Access Protocol)* instances
- Contributed 50K+ lines of code to an established codebase via Git
- Built rake tasks (test suites) to assure the validity of my bug fixes for Ruby on Rails API

Full Stack Software Engineering Intern

Command Alkon

May 2022 – August 2022

Birmingham, AL (Remote)

- Automated accounting processes through generation of 37 dynamic CSV exports
- Reworked frontend pages (in Javascript) to add new functionality in settings console
- Implemented novel features to allow for data synchronization on over 4,000 user accounts

Backend Software Engineering Intern

Command Alkon

May 2021 – August 2021

Birmingham, AL (Remote)

- Developed API integration with an Optical Character Recognition (OCR) technology
- Automated accounting process for 26 company specific ticket types with Ruby scripts
- Outlined 47 company specific rules for data entry processes

PROJECTS

DBDesigns | *React.js, Node.js, Python, MongoDB*

January 2024 – Present

- Developed a full-stack web application with a Node/Express server, and a React client
- Integrated *artificial intelligence* APIs to aide in database design, development, and management
- Automated the generation of *ER diagrams* to visualize proposed database designs
- Project Link (in progress): <https://dbdesigns.netlify.app/>

Magnifi Talent | *React.js, Node.js, SkillsEngine API, MongoDB*

May 2018 – May 2020

- Led the development & architecture of MERN (MongoDB, ExpressJS, ReactJS, NodeJS) app for AI driven startup
- Designed and refined matching algorithm in JavaScript to match jobs to job seekers
- Launched conversations with numerous investors through carefully crafted and executed pitches
- Project Demo : <https://www.youtube.com/watch?v=omSyXatmo7s>

ORGANIZATIONS

Future Leaders of Mckelvey Engineering (FLOME)

January 2024 – Present

- *Vice president*
- Built our organization's official website using React+Vite+Tailwind: <https://flome-washu.netlify.app>

TECHNICAL SKILLS

Languages: Javascript, Typescript, Ruby, Java, Python, C/C++, SQL (Postgres), HTML/CSS, PHP

Frameworks: React, Node.js, Ruby on Rails, Django, Flask, Express.js, Bootstrap

Developer Tools: Git, GitLab/GitHub, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Databases: MongoDB, PostgreSQL, MySQL, Firebase

Hosting/Deployment: Netlify, Heroku, Render, AWS EC2/Lambda, Kubernetes, Docker