Jayce Bordelon

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EDUCATION

Washington University in St. Louis   St. Louis, MO
Bachelor of Science in Computer Science, Minor in Human Computer Interaction   *Aug. 2019 – May 2025*

EXPERIENCE

Software Engineering Intern   January 2024 – Present
Mastercard   *O'Fallon, MO*

Computer Science Lead Teacher's Assistant   July 2022 – January 2024
Washington University in St. Louis   *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   May 2023 – August 2023
Synopsys   *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   May 2022 – August 2022
Command Alkon   *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   May 2021 – August 2021
Command Alkon   *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

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