# Zach Brown

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Highly motivated and experienced Computer Scientist with a strong background in Algorithm Design, Full-Stack Development, and Cyber Security. Offering a track record of working effectively in team environments, contributing to successful projects, and delivering innovative solutions. Looking to leverage skills and experience to bring value to your company.

## Experience

**Apr 2022 – Oct 2023**

### Full-Stack Developer Intern, Inseer Inc.

Worked with the R&D team to bring their pose estimation models to life through a full-stack web app. Involved technologies: Angular, Express.js, MySQL, Python, AWS EC2.

**Oct 2023 – Present**

### Full-Stack Developer, Illumica AI.

Developing a Patient-Physical Therapist web portal which makes use of a pose estimation model to assess patient progress. Involved technologies: Angular, Express.js, MySQL, AWS EC2, S3, etc…

## Education

**Aug 2020 – May 2024 (expected)**

### Bachelor of Science in Computer Science, University of Missouri (Minor in Mathematics)

Consistently made Dean's list. Maintained a GPA >3.70. Strong leader in many classes. Excelled in foundational algorithm & data structure classes as well as team-centered web dev and database classes.

## Key Qualifications

- **Expertise in Multiple Full-Stack Technologies:** Expert in Angular, Express.js, MariaDB. Proficient in AWS, Linux, GitHub, CI/CD.
- **Project Management:** Strong teamwork and requirement analysis skills have helped contribute to successful full-stack projects.
- **Cloud Technologies:** Experienced with AWS tools such as S3, CloudFront, Route 53, WAF, and EC2.
- **Algorithm & Data Structure Development:** Strong understanding of most Data Structures & the Algorithms surrounding them. Understand Algorithm complexity (Big-O).
- **Database Technologies:** Skilled with SQL database creation and management in local and cloud environments.

## Skills

### Technical Skills

- **Programming Languages:** TypeScript, Python, C, Bash
- **Data Tools:** MySQL, MongoDB, Sequelize
- **Networking Tools:** Postman, ngrok, NGINX
- **Other:** Git, AWS, GCP, Linux, CI/CD

### Soft Skills

- **Problem Solving:** Ability to troubleshoot issues and find solutions to complex problems.
- **Communication:** Excellent written and verbal communication skills, including technical writing.
- **Adaptability:** Skillful in learning new technologies and adapting to changing environments.