# Alex Perez

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## EDUCATION

- **University of Colorado Denver** — *In Progress: 2025*
  *MS in Computer Science* — GPA: 4.0
- **University of Illinois Springfield** — *2019-2023*
  *BS in Computer Science/ Awards: Magna Cum Laude, Dean's List, and Tutor of the Year* — GPA: 3.8

## EXPERIENCE

- **Java Developer Intern** — *August 2023- present*
  *BBInsight* — Denver, Colorado (Remote)
  – Designed and implemented Java-based solutions, optimizing database performance, and ensuring code quality through rigorous testing and debugging practices. Collaborated with expert programmers in a data migration project aimed at seamlessly transferring a client's data from on-premises servers to the cloud. Leveraged cutting-edge technologies such as Java, Spring Boot, and AWS services to design and develop scalable, efficient data migration solutions.

- **Application Development Intern** — *2023*
  *TransUnion* — Chicago, Illinois (Hybrid)
  – Developed Splunk Dashboards for monitoring and further engineering development. Performed cleanup, optimization of ansible tower setup for API management. Grouped and fixed code blocks. Fixed project/permissions for repos on git platform.

- **IT Support Intern** — *2023*
  *TransUnion* — Chicago, Illinois (Hybrid)
  – Maintained and supported 200+ audio/video deployments in conference/huddle rooms across the enterprise. Installed, configured, maintained and troubleshot video hardware and software (MAC and Windows).

## PERSONAL PROJECTS

- **UIS Connect** — *2023*
  *Software Engineering Capstone course project for designing a social media website for UIS students.*

  – Tools & technologies used: Python, HTML5, CSS, JavaScript, NGINIX, Django, SQLite, and Twilio
  – Connect UIS is a social networking site that allows UIS students to sign up for a free profile. Front-end was created using HTML for website structure, CSS for styling, and JavaScript for user interaction. Back-end was created using Django web framework built in Python. SQLite Database Engine handles schema. Used software developer processes to document the project.

- **Mangia Mangia** — *2023*
  *Designed and created a website for Mangia Mangia, a local restaurant.*

  – Tools & technologies used: Java, HTML5, CSS, JavaScript, NGINIX, Django, SQLite, and AWS
  – Similarly to Connect UIS, front-end was created using HTML, CSS, and JavaScript for styling. Used Oracle Cloud for infrastructure handling. Website is hosted and launched using AWS

## LEADERSHIP AND VOLUNTEER EXPERIENCE

- **Computer Science Tutor** — *2021-2023*
  *University of Illinois* — Springfield, Illinois (Hybrid)
  – Provided personalized one-on-one Java and C++ tutoring to students of diverse backgrounds. Assisted teachers in introductory computer science classes through engaging presentations and workshops.

- **Resident Assistant** — *2021-2023*
  *University of Illinois* — Springfield, Illinois (On-site)
  – Fostered the development of relationships among 100+ students. Planned and implemented programs to assist first year students in transitioning to campus. Counseled and advised students on academic and personal questions and concerns.

## TECHNICAL SKILLS

Java, C++ Python, Java-Script, HTML, CSS, SDLC, Debugging, CI/CD, Spring, data structures, algorithms, agile, Docker, MongoDB, Linux, AWS