Bodie Lutz

bodielutz@gmail.com

Education

Colorado School of Mines   Golden, CO

B.S. of Computer Science, Business Specialty | Summa Cum Laude

Relevant Coursework: Algorithms, Principles of Programming Languages, Advanced Software Engineering, Web Applications, Intro to Linux Operating System, Database Management, Information Privacy and Security

Experience

CACI International   Denver, CO
DevOps Engineer   08/24 – Present
- Advanced expertise in modern GIS technologies, optimizing deployment across diverse network environments to enhance functionality and accessibility
- Gained hands-on experience in systems engineering and cybersecurity, with a focus on integrating advanced authentication methods into application workflows
- Integrated into a Scrum team to drive development and achieve key milestones, contributing to successfully delivering project objectives

CACI International   Denver, CO
Software Engineering Intern   05/24– 08/24
- Partnered with an intern team to design, develop, and launch cutting-edge GIS software solutions, driving innovation and user-centric functionality
- Leveraged Python, Kubernetes, and Docker to engineer a robust proof-of-concept solution, laying the foundation for scalable future development
- Developed foundational frameworks to streamline future development cycles and mitigate potential risks, ensuring efficient and reliable project scalability

Colorado School of Mines   Golden, CO
DECtech Lead   08/23 – 12/24
- Collaborating with team leads and program manager to strategically plan and execute STEM education classes
- Led and partnered with fellow interns to design and deliver engaging, high-quality STEM education programs, impacting over 500 students across grades 3-10
- Facilitated collaboration between the DECtech program and the Boy Scouts of America to enhance STEM outreach and engagement

Projects

Full-Stack Nutrition Application
- Designed and developed a full-stack web application to address gaps in existing nutrition-tracking solutions
- Engineered using HTML, CSS, PHP, and JavaScript with a MySQL database for seamless processing and storage of nutrition information

CSM TA Assignment Automation Utility
- Worked alongside a team of CSM students to design and implement a graphical desktop application, streamlining the process of assigning TAs and tutors to classes at Mines
- Employed a team-driven Agile development methodology to deliver a fully functional application within an accelerated five-week timeline

Clue-Inspired Desktop Game
- Collaborated with a partner to develop a desktop game inspired by the board game *Clue*, utilizing Java and Java Swing within an Agile framework
- Learned software engineering practices such as OOP and SOLID principles of software engineering

Skills

Technical: Python, Excel, HTML, CSS, JavaScript, PostgreSQL, Elasticsearch, Kubernetes, Helm, ArgoCD, Docker, GitLab CI/CD, Object-Oriented Programming, Agile, Teamwork, Communication, Problem Solving, Adaptability, Critical Thinking