Caden McArthur

918-521-7500 | email: Caden.mcarthur@gmail.com | www.linkedin.com/in/cadenmcarthur/ | https://github.com/cmac2112

NASA Space Apps Award Winner

EDUCATION

Bethel College   North Newton, Ks

Bachelor of Science in Computer Science, Minor in Mathematics

EXPERIENCE

Front-End Software Engineer Intern   May 2024 – Aug. 2024

Leggett and Platt - Docker, React, .Net, TypeScript/Javascript, Tailwindcss, SCRUM, DevOps   *Lenexa, Ks*

- Developed React components for an internal home furniture application, streamlining business operations by helping transition from spreadsheet-based record-keeping to a more efficient digital solution
- Implemented in-platform communication features, enabling users to interact directly on the website, eliminating the need for external services.
- **Integrated multi-language support** for communication features ensuring the platform could be utilized by international branches across various regions

Information Technology Technician/Software Developer   Jan. 2024 – Present

Bethel College - Docker, React, Node, MySQL   *North Newton, Ks*

- Coordinated with managers to build new independent, full stack careers site application to replace old legacy site.
- Diagnosed and resolved computer issues for students, faculty, and staff, providing timely and effective technical support across campus.
- Managed the maintenance and upkeep of over 200 devices, including computers, classroom equipment, and the campus-wide internet network, ensuring optimal performance and reliability.

Artificial Intelligence Research Internship   May 2023 – Dec 2023

Bethel College - Python, Tensorflow, MatplotLib,   *North Newton, Ks*

- Conducted in-depth research on the integration of Artificial Intelligence in social media platforms, leading efforts to analyze and understand AI-driven features and innovations.
- Developed 3 applications involving TensorFlow, Google Gemini, and PyTorch, to demonstrate the technologies
- Delivered a presentation on research findings to over 100 students, faculty, staff.

PERSONAL PROJECTS

Solar Eye | *React, Three.Js/WEBGL, GLSL,*   NASA Space Apps Award Winner
- ∗ Built a solar system simulator using data from NASA API's to display orbits of near earth objects and teach users about orbital parameters and the dangers of near earth asteroids. Received multiple NASA awards.

Course Search | *React, Node, MySQL*   May 2024 – August 2024
- ∗ Developed a course search application for Bethel to allow students to better find buildings and rooms on campus.
- ∗ Utilized React libraries to provide users with maps of campus. And provided all information related to a course they are searching for, such as class schedule, course instructor, area of study. 300 unique searches on launch

BCSocial | *React, Node, MySQL, Docker,* Project Management, JIRA, CI/CD   Aug 2024 – Present
- ∗ Built a social media app to allow student organizations to better communicate to students about events on campus. Managed project development using SCRUM and set user stories for each member every week. Integrated CI/CD piplines for deployment of docker images through Google Cloud Run

LEADERSHIP

Bethel Software Society - Founder, President

- Established Bethel College's software club, providing mentorship to guide students toward successful post-graduation careers in the tech industry. Integrated CI/CD pipelines for projects, managed projects with SCRUM, and received multiple **NASA awards for a project submitted to the NASA Space Apps Hackathon**

TECHNICAL SKILLS

Languages: Python, JavaScript/TypeScript, HTML/CSS, C, C#, SQL
Developer Tools: Git, Docker, DevOps, Google Cloud Platform, CI/CD
Libraries/Frameworks: Flask, React, Angular., ASP.NET Core, Pandas, NumPy, Matplotlib, TensorFlow,