William Heller

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——————————————— Experience ———————————————

ProtoBanao – Contracted Software Engineer   May 2024 – Current
- ▶ Acted as engineering lead for a simulation project, developing novel methods of emulating multiple thousands of users and their networks.
- ▶ Performed prompt engineering to accurately emulate a requirements solicitation process for startup company software.
- ▶ Designed three separate subsystems – a user base, a simulated world, and an app grading system – to create a real-time interactive startup company simulation.

University of Nebraska at Omaha – Graduate Assistant   August 2022 – December 2023
- ▶ Enhanced open-source map data using novel algorithms to add over 6,500 points of precise bridge data to a single state, fitting over 60% of the supplied database.
- ▶ Invented detailed methods for analyzing the completeness of geographical datasets in regions with limited data that may be missing over 4,000 relevant points of information.
- ▶ Increased the efficiency of three distinct team projects by 50-70% by developing, implementing, and maintaining a general-purpose software architecture.

University of Nebraska at Omaha – Biomechanics Research Assistant   August 2021 – May 2022
- ▶ Contributed to a project using cutting-edge VR technology to assist over 10 stroke survivors in Nebraska on their journey to motor skill recovery.
- ▶ Optimized and introduced various unique VR video game solutions to increase overall software performance by 10-15% and streamline user experience.
- ▶ Held and led weekly cooperative development sessions with peers to improve project efficiency by 20-30% and meet self-set deadlines.

Conagra Brands – Web Development Intern   May 2021 – August 2021
- ▶ Refined an employee rewards program by completely redesigning an in-house website, accelerating user flow by up to 50% and reducing the program manager's workload by up to 40%.
- ▶ Added value to a legacy system and software restructuring through deep research, providing over 10 pages of insight within one week and building a strong architectural foundation.
- ▶ Continued support of a document approval automation workflow, leading to an overall efficiency improvement of 20-50% for all approvals and up to 60% higher user satisfaction.

Conagra Brands – End User Computing Intern   May 2020 – August 2020
- ▶ Enriched end-user PC health management for thousands of employees by developing a custom web application, which saved up to 12 hours of labor per week for the IT services department.
- ▶ Rejuvenated document approval workflows with novel automated solutions, shortening the process by 1-2 business days.

University of Nebraska at Omaha – Student Ambassador   August 2018 – May 2022
- ▶ Acted as a host for campus events by running panel discussions, participating in Q&As, and giving over 100 tours to students and guests.
- ▶ Pushed myself and coworkers to foster a friendly and welcoming atmosphere on campus for 1000+ guests and students during orientations.

──────────────── **Education** ────────────────

University of Nebraska at Omaha – Master in Computer Science – December 2023 – 3.85 GPA

▶ Concentration: Artificial Intelligence

University of Nebraska at Omaha – Bachelor in Computer Science – May 2022 – 3.9 GPA

▶ Concentration: Game Development
▶ Minor: Mathematics

──────────────── **Technical and Soft Skills** ────────────────

4+ Years

Software Engineering	Team Leadership
Python 3	Communication
Github	Cooperation

3+ Years

SQL	Advanced Problem Solving
HTML	Customer Service
Unix	Software Engineering
Amazon Web Services	Project Management

2+ Years

C# & .NET Framework	Agile Development
RESTful APIs	Requirements Solicitation
NodeJS	

Under 2 years

Artificial Intelligence

Machine Learning

Microsoft Azure