Joseph Gross

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EDUCATION

Bradley University - Bachelor of Science in Computer Science   Expected Graduation May 2026
- Cum. GPA 3.72 |Dean's List Honoree (2022-2024) | Honors Program

Relevant Coursework: Computer Architecture, Database Management Systems, Knowledge Discovery and Data Management, Machine Learning, Applied Networking, Adv. Data Structures and Algorithms, Software Engineering, Net-Centric Computing, Information System Security, Applied Cryptography,

Skills

Programming Languages: C#, C++, Python (for Data Analysis), Java, SQL, HTML/CSS/TS/JS (basic)
Frameworks and Tools: Git, React Native, Adobe Suite (Graphic Design), WSL, Excel, Weka, Power BI, Python Libraries (CUML, SkLearn, Tensorflow, Pandas, MatPlotLib, Numpy, Seaborn).

PROJECTS

Semantic Analysis of Pharmaceutical Review Data   2024
Developed an effective predictive model of user rating for pharmaceutical drugs from 215,000 instances of review data. Utilized CuML for GPU-accelerated processing, TensorFlow for model/data engineering, and Scikit-Learn for traditional machine learning comparisons. Benchmarked multiple models trained on TF-IDF vectorized data to determine the most effective approach for predictive analysis.

Full-Stack SQL Integration Project   2024
Developed a PHP-based API for retrieving and managing structured SQL data using HTTP requests and JSON responses. Built a front-end interface(HTML/CSS) to display interfaces and process updates and requests with HTTP.

Tower Platformer Game   2023
Developed a fully polished 2d platformer written in Unity using C#, featuring custom physics, user interface and menus, AI behavior and animations. Optimized performance for gameplay.

***Revenge* Card Game | Designer and Developer**   2017-2025
Designed and prototyped all elements of published product including professional art and graphic design. Managed supply chain, manufacturing, and advertising for e-commerce sales and distribution.

WORK EXPERIENCE

North Pacific Seafood Industries   Naknek Alaska   Summer 2024
Maintenance Technician and Production Operator
- Supervised freezer tanks holding 800,000+ pounds of salmon and coordinated their transfer to production
- Collaborated with a team to operate a significant variety of heavy machinery and factory equipment in addition to maintenance (including wiring), dock work and machinery transport.

VOLUNTEER EXPERIENCE AND INVOLVEMENT

Chapel of the Cross   St Peters, Missouri   ~2016-2022
Church Service Live Streaming

- Managed live-streaming and broadcast operations using camera/audio software to live-stream, record, and upload church services to a server while troubleshooting technical issues in real time
- Improved team communication through structured scheduling and task delegation

LXA - Executive Committee and Risk Manager (2023- 2024), Academics Chair (Present)