Benjamin Orrvick
Software Engineer/Developer

EDUCATION

Clarion University of Pennsylvania, Clarion, PA

Bachelor of Science in Information Systems and Business Administration, *summa cum laude*, May 2020

Major: **Information Systems**

Minor: **Computer Science**

GPA: 3.9

INDEPENDENT PROJECTS

Software Engineer/UX, MusicMonolith, Pittsburgh, PA, Spring 2022 – Spring 2022
- Design, build, and maintain web based marketing application using Spotify's RESTful API to serve data to a Python/Django back-end depending on the dynamic user provided input.
- Design and create a graphical user interface using customized icons, fonts and displays that represent company brand using tools such as Affinity Designer, JavaScript, HTML, CSS, jQuery and Bootstrap
- Test and monitor code/site performance using tools such as Lighthouse and Flake8 before deploying/pushing changes to Heroku using Git
- Ensure application security using environment variables, CSRF protection, and SSL
- Create and maintain PostgreSQL and SQLite databases to perform ETL jobs utilizing AWS S3 buckets to store and serve various static and media files
- https://www.musicmonolith.com

SKILLS

Programming: Experience working with C#, C++, LISP, Java, JavaScript, Python, Bash, SQL and Prolog

Testing: JUnit Testing, and various python linting tools

Application Programming Interfaces: Experience with AWS, Twitter, and Spotify

Development: HTML, CSS, Javascript, Django, Heroku

Applications: Experience with Microsoft Visio, Microsoft Access, Microsoft Excel, Affinity Designer and Adobe Photoshop

Database Management: SQL Server, SQLite, PostgreSQL

WORK EXPERIENCE

Manager/Software Engineer, Kahone Concept, Pittsburgh, PA, Fall 2015 – Present
- Design, build, and maintain website, using HTML, CSS, JavaScript, and Bootstrap with content creation tools such as Photoshop and Illustrator, using Git to deploy code to GitHub
- Design and build SQL database and application to support merchandise sales and inventory, ensuring system scalability, performance and reliability using SQL Server, C# and the .NET framework
- Produce and engineer content, liaising with producers, performers, and other industry professionals to determine and achieve requirements for productions, such as a musical recording or a film, working within Pro Tools, Logic Pro, MainStage and Ableton Live
- Develop set designs and program light shows working within Ableton Live, based on budgets, research information, and available locations, preparing rough drafts of sets, including floor plans, scenery, and properties to be constructed
- Negotiate with managers, promoters, various media outlets, and organizations regarding contractual rights, according to contract terms
- Plan, prepare and curate advertising and promotional material, including various forms of social media, to increase sales of products or services, inspect layouts and advertising tools, audio and video tapes, and other promotional material for adherence to specifications
- Design and develop graphics and layouts for product illustrations, company logos, and websites using Adobe Photoshop