Tyler Berkshire

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EDUCATION

University of Dayton, Dayton, OH   August 2016 - December 2019

Bachelor of Science, Computer Science   GPA: 3.87/4.00

Minor, Psychology   Dean's List & Honors Program 2016-2019

Relevant Classes: Emerging Programming Languages, Operating Systems, UNIX/Linux Programming, Design & Analysis of Algorithms, Data Structures, Computer Organization and Architecture, Computer Networks, Artificial Intelligence, Cognition, Biopsychology, Forensic Psychology, Abnormal Psychology, Calculus I-III, Linear Algebra

PROFESSIONAL WORK EXPERIENCE

Hyland Software – Developer I   Westlake, OH – 2018, 2019, 2020-2021

- As a developer for 8 months: Wrote, managed & debugged C# code. Developed an API for encryption keys. Researched and did architectural reviews for new features. Wrote acceptance tests and manually tested products. Worked in Agile Kanban style. Maintained multiple Jenkins and CI/CD pipelines.
- As an intern over two summers: Developed UI Automation toolkits in C#. Utilized an AWS IoT button to make a VR "knock-knock" system. Wrote unit and regression tests. Developed command-line utilities to help machines transition from TFS to Git. Created Microsoft Roslyn code analyzers. Created a cloud-based story recording application with Google Actions.

U.S. Air Force Institute of Technology – S.O.C.H.E. Research Intern   Beavercreek, OH - 2017

- Trained a convolutional neural network to recognize airports in images using Python and TensorFlow. Developed multiple GUIs to help download thousands of Landsat images from AWS and DigitalGlobe for use in training the CNN. Created web scrapers on internal sites to retrieve runway data for integration with training.

ADDITIONAL WORK EXPERIENCE

Trophy Nut Company – Bulk Production Operator   Tipp City, OH - 2016

- Operated bulk production machines. Increased maximum output efficiency by 10%. Trained new workers on the operation of multiple machines. Organized and analyzed production paperwork to ensure quotas were being met. Helped solve equipment and product management problems.

LEADERSHIP AND PROJECTS

U.D. Super Smash Bros. Club – Co-Founder & President   2017 – 2019

- Helped found one of the fastest growing student organizations at U.D. Organized and ran weekly tournaments. Grew membership to 350 members in 2 years. Fostered competition and collaboration between neighboring universities and local scenes.

U.D.S.C Sign-Ups – Developer   2017

- .NET WPF app which assists in tracking user attendance at club events and helps seed relevant tournaments.

Headway – Developer   2018 – 2019

- Capstone project consisting of a Vue.JS web app for online classroom/quiz creation to encourage proper study and review habits with a Kotlin API utilizing MongoDB.

Smash Search – Developer   2019

- Web app built using F#, Fable, Elmish, Python, and the smash.gg API which retrieves gaming tournament data based on your geographic location.

RELATED SKILLS

C#, Java, Python, C, C++, Jenkins, Vue.JS, Docker, GoLang, Elixir, SQL, Kotlin, F#, Spring, TypeScript, MongoDB, TensorFlow, Assembly, Racket, Linux, AWS Lightsail, Adobe Photoshop, Visual Studio, Postman, Git, Agile, Jira, HTML, CSS, Unity, Sony Vegas, Unreal Engine, PyCharm, IntelliJ, Rider, Microsoft Office