

Tyler Berkshire

7845 St. Rt. 201, Tipp City, OH, 45371 | 937-974-9756 | berkshiret122@gmail.com | terminalanomaly.dev

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 – Development Intern

Westlake, OH, 05/18 – 08/18 & 05/19 – 08/19

- Worked on the Infrastructure Runway team under the Content Services Platform. Developed UI Automation toolkits in C# for use with internal installers and continuous integration regression testing. 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. Used Microsoft SourceLink to create and debug NuGet packages. 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, 06/17 – 08/17

- 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, 05/16 – 05/16

- 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

August 2017 – December 2019

- Helped found one of the top five fastest growing student organizations at U.D. Organized and ran weekly tournaments. Fostered competition and collaboration between neighboring universities and local scenes.

U.D.S.C Sign-Ups – Developer

August 2017

- GUI which assisted in tracking user attendance at club events and helped seed relevant tournaments.

Headway – Developer

January 2019 – December 2019

- Capstone project consisting of a web-application for online classroom/quiz creation to encourage proper study and review habits (Headway.dev).

Smash Search – Developer

January 2019 – December 2019

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

RELATED SKILLS

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