Ann Arbor, MI
(313) 605-5426
densnyde@umich.edu

Dennis Taylor Snyder

linkedin/in/taylorsnyder1543
taylorsnyder.info
github.com/Dennis1543

Education

University of Michigan	Ann Arbor, MI	Aug 2019 – May 2023

- B.S.E. in Computer Science Engineering with Minors in Mathematics and Music.
- Cumulative GPA: 3.5.
- Relevant Coursework: Data Structures and Algorithms (**EECS 281**); Computer Architecture (**EECS 370**); Computer Security (**EECS 388**); Web Systems (**EECS 485**); Computer Game Design and Development (**EECS 494**); Statistics and Data Analysis (**STATS 250**).

Technical Experience / Projects

Video Game Development
- Developed several video games in the Unity Game Engine, both individually and with other students, including a recreation of the first dungeon of *Legend of Zelda* (1986).
- Portfolio: taylorsnyder.info

Search Engine Creation
- In a team of 3, created a scalable search engine in Python using PageRank/tf-idf calculations and parallel data processing with a MapReduce pipeline (Hadoop). Hosted the search engine as a REST API service, with a simple front-end UI to display search results.

Classifying Posts with NLP and ML
- Using the "Bag of Words" model, developed a program in C++ to classify classroom posts based on training data and classifications using conditional probabilities.

MITM Attack Simulation
- Within an isolated environment, replicated a Man-in-the-Middle Attack on an HTTP server in Go by spoofing a DNS response, manipulating TCP packets, and stealing cookies.

Employment

Game Developer	Bluebird Studios	May 2022 – Present

- Working closely with a team of 10 other developers to develop a mobile game "Treat Team". Work consists of general C# Unity programming, with an emphasis on sound design and front-end development.
- Link: bluebirdstudios.net

Assistant Chef	Berkshire Soccer Academy	May 2021 – August 2021

- Managed a staff of 3 kitchen assistants to feed 150+ campers every day, and assisted the head chef in designing the menu, preparing daily meals, and serving the campers breakfast, lunch, and dinner.

Freelance Web Developer		November 2019 – April 2020

- Co-developed a website which allowed people to purchase, view, and annotate an online PDF version of a published book. Hosted on AWS, built using React, HTML, and CSS.
- Link: dlmebook.com

Languages and Technologies

Proficient:
- C/C++; Python.
- Visual Studio Code; Jira; Windows OS; Linux.

Intermediate:
- C# (Unity Game Engine); HTML/CSS; JavaScript; Go; PHP; MATLAB; R.
- SQL (SQLite); Git; Visual Studio; Docker; Wireshark.