

SEPTEMBER 2019 – DECEMBER 2019

**CYBERSECURITY & SOCIAL MOVEMENTS TEACHING ASSISTANT, OREGON STATE UNIVERSITY**

Interacted with and mentored students on the subjects of public and private keys, key exchange, encryption methods, man-in-the-middle attacks, TOR, and modern encryption tools.

- Clear understanding of cyber security's relationship to past and present social movements.

JANUARY 2018 – MARCH 2018

**JUNIOR WEB DEVELOPER, DZYNEFX**

- Developed front end UI and front-end code for websites.
- Developed back-end code, data access layers, web services and RESTful APIs in C#, PHP, MSSQL, and MySQL.
- Work with symmetric and asymmetric encryption schemas
- Request, register and configure SSL and TLS certificates.

## SKILLS

- HTML5 \ CSS3
- C \ C++ \ C#
- ASP.NET \ .Net Core
- Blazor
- PHP
- OpenGL
- Matlab
- Java
- JavaScript
- JSON \ XML
- MySql \ MsSql
- Python
- Swift
- R

## TECHNOLOGY

- Git \ GitHub \ GitLab
- Linux \ UNIX
- Visual Studio 2022
- Windows
- Android
- Unreal Engine
- Unity
- Blender
- Gephi
- iOS

## PROJECTS

**AI-DRIVEN D&D 5E CHARACTER GENERATOR**

Advanced Web Development Final Project

- Lead development in core functionality, including front and back-end development.
- Creates a credible D&D 5e character, including a backstory, for a user based on the input received. Using OpenAI's GPT-3 engine, it makes a deterministic choice between classes and races available, to produce the best possible option given the input received.
- [CS 499 Hall of Fame recipient.](#)
- <https://github.com/tylertitsworth/ai-character-generator>