Dawson Abner

Portfolio: https://dawson-abner-portfolio.herokuapp.com/

Email : dawsonabner@gmail.com
Mobile : (214) 606-7297

EDUCATION

- **Texas A&M University** — College Station, TX
  B.S. Computer Science; Minor in Game Design & Development — *Aug. 2017 – December 2021*

WORK EXPERIENCE

- **Texas A&M Intramural Sports** — College Staion, TX
  Esports Assistant — *Oct. 2020 - Current*
  - Collaborate with team to create tournament lineups with a variety of games.
  - Manage tournaments and streams to provide an enjoyable and smooth experience for competitors and viewers.
  - Work on various projects to enhance and grow Intramural Esports at Texas A&M.

PROJECTS

- **EH-Participation Tracker**:
  - Software Engineering course project utilized by real client
  - Utilized Ruby on Rails, CSS, PostgreSQL, and Heroku to create an application for tracking students and their event participation
  - Developed with a group using the agile development process
  - Programmed with many features requested by the client to make the application robust
  - Found at https://eh-participation-tracker.herokuapp.com/

- **Find Your Happy**:
  - Senior Capstone Design project utilized by Professor Macnamara in the Department of Psychology at Texas AM University
  - Utilized Ruby on Rails, Bootstrap, PostgreSQL and Heroku to create and application for tracking and analyzing a person's mental health and wellbeing
  - Developed with a group where we utilized peer coding and rigorous code reviews
  - Found at https://findyourhappy.herokuapp.com/

- **Plant Robot Trivia**:
  - Research Project worked on with Dr. Jinsil Hwaryoung in the Soft Interaction Lab at Texas AM University
  - Utilized Javascript, AWS, and C++ to create an artifact which utilizes an Alexa Skill and lights to help the elderly train their brain and have daily interaction
  - Main Programmer for the project
  - Worked with a specialized team to combine all parts of the artifact together

PROGRAMMING SKILLS

- **Languages**: C++, Java, Python, Ruby, Javascript, HTML, C#, Bootstrap

- **Technologies**: Git/Github, Rails, PostgreSQL, Heroku, PGAdmin, Unity, Unreal, AWS, Alexa, Arduino

INVOLVEMENTS

- **Texas A&M Esports**: Administrator and Tournament Organizer on Discord and Smash.gg for Super Smash Brothers tournaments in Bryan and College Station
- **Fade to Black**: Performed and choreographed dance routines for a large showcase once a semester

COURSEWORK

Linear Algebra, Data Structures in C++, Design & Analysis of Algorithms, Programming Languages, Programming Studio, Software Engineering, Information Storage and Retrieval, Wireless and Mobile Systems, Artificial Intelligence, Cybersecurity, Game and Level Design, Interactive Virtual Environments