

James Brady

jbrady9559@gmail.com jamesrbrady.com github.com/jbd95

Summary

- Developed a Competitive Programming Judge for the Computer Science Department at UT Arlington
- Experience as a Software Engineer Intern at Double Line
- Won first place at two hackathons
- Studying Computer Science with expected graduation of Spring 2021 (4.0 GPA)

Skills

- Languages: C#, C++, C, Python, JavaScript, HTML5, CSS, Java, SQL
- Frameworks and Environments: React, Flask, Node.js, Express.js, Unity3D, Windows, Linux
- Tools and Platforms: Amazon Web Services (Lightsail, EC2, S3), Blender, REST API design
- Databases: MongoDB, MySQL, Google Firestore

Work Experience

Double Line

Software Engineer Intern

Summer 2020

Heracleia Human-Centered Computing Lab

Undergraduate Research Assistant

Nov 2017 - Present

- Built communication protocol between a robot and Unity3D using the Robot Operating System (C++ and Python)
- Used Unity3D and C# to develop a game for an experiment that collects data as it is played
- Developed a wearable application in JavaScript for Fitbit watches that allows the user to track their mood throughout the day

Education

The University of Texas at Arlington

Bachelor's of Science in Computer Science - Junior Year

Expected Graduation: Spring 2021

- GPA: 4.0
- Awards: Nokia Outstanding Professional CS Student 2019; Dean's List 2018-2020
- Relevant Coursework: Algorithms, Object Oriented Programming, Operating Systems, Databases, Artificial Intelligence, Software Engineering, Programming Languages, Linear Algebra, Calculus, Discrete Structures

Projects

Blaze Online Judge - Individual Projects Course, Spring 2020

- Blaze Online Judge is a platform that allows programmers to practice their competitive programming skills by competing in real-time programming contests and solving practice problems. Created for the Computer Science department at UTA.
- Developed the front-end using React.js, responsible for implementing centralized state management, lazy loading, and content delivery network

Edunate - 1st Place and Best Use of Snap Kit, MLH HackHouston 2019

- Edunate is a platform that helps students to succeed in college through micro-donations, peer tutoring, and textbook exchange
- Developed REST API with Node.js, Express, Google Cloud Firestore, and Stripe on an AWS Lightsail server

MemeRoyale - 1st Place and Best Mobile Project, HackSMU 2019

- MemeRoyale is a friendly-competition based game (Android and iOS) that allows you to compete with others to see who can create the best meme
- Developed REST API using Node.js, Socket.IO, Express, and MongoDB on an AWS Lightsail server

Road Rage Unlimited - Best Project, Intro to Software Engineering Course

- Road Rage Unlimited is a 3D driving game set on an infinite terrain that allows the user to compete against AI players in single-player mode or against other players in multiplayer mode
- Developed in Unity3D using C#, models made in Blender, Google Play Games Services used to implement login, achievements and multiplayer