

JAN BOBDA

(479) - 276 - 3323 — J.BobdaT@gmail.com — github.com/JBobda — linkedin.com/in/janbobda

EDUCATION

University of Arkansas
B.S. Computer Science GPA: 4.0

Expected May 2023

EXPERIENCE

J.B. Hunt Transport Services
Application Development Intern

January 2019 - Present
Lowell, Arkansas

- Worked on embedding Final Mile tracking into the Google Front Search Results page with assistance from mentors and Google Integration Engineers.
- Automated the rejection notification system using the Hackerrank API, Spring Boot server, and an Angular front-end interface.
- Developed a VR Experience of the J.B. Hunt Final Mile delivery and installation process in Unreal 4 that has applications in recruitment and trade show demos.

PROJECTS

Car Crash Notification System
C/C++, Node.js, Python, Twilio

Hackathon Project

- Lead my team in creating a car crash detection system that could catch commercial vehicle crashes and notify the proper authorities and fleet managers, saving vital time and money.
- Triggered Crash event by calculating acceleration and registering irregular acceleration.
- Used Node.js to parse Arduino Uno inputs and relay them to the central firebase server.

Super Smash Bros. Ultimate Elo Ranking System
Python

Personal Project

- Applied the Chess Elo Ranking system to the Smash Bros. game by ranking local players.
- Developed a discord bot as a simple front-end interface for the backend ranking system.

Machine Learning Linear Regression Visualization
Python, Matplotlib

Personal Project

- Used linear regression and gradient descent to find the line of best fit given linear data about student grades and study habits.
- Visualized the learning process using matplotlib and the interim lines of best fit the gradient descent algorithm would calculate.

ACCOMPLISHMENTS AND ACTIVITIES

Google Tech Challenge - 1st place out of all University of Arkansas students	<i>September 2019</i>
Code2040 Finalist - Currently the only freshman out of a class of 300 future fellows	<i>August 2019</i>
J.B. Hunt Spring 2019 Hackathon - 1st place team out of over 20 teams	<i>March 2019</i>
John Brown University Programming Contest - Runner up out of 11 teams	<i>February 2019</i>
UARK HS Programming Competition - Top 10 out of over 50 teams	<i>March 2018</i>

SKILLS

Languages	Java, C/C++, Python, SQL, JavaScript, HTML, CSS
Frameworks	Angular, React, React Native, Spring Boot, Node.js
Tools	UNIX/Linux, Agile/Scrum, Git, Firebase, Android Studio, Unreal Engine 4
Organizations	Active member of ACM and NSBE