

DEREK JAMES HERNANDEZ

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EDUCATION

Certificate in Full-Stack Development

University of Texas at Austin Bootcamp – Austin, Texas

Graduation Date: September 2021

Bachelor of Science in Computer Science, Minor in Mathematics

Texas State University – San Marcos, Texas

Graduation Date: August 2019

Associates of General Studies in Liberal Arts

Austin Community College – Austin, Texas

Graduation Date: May 2016

RELEVANT COURSEWORK

- Software Engineer Project
- Computer Security Project
- Human Factors Project
- Full-Stack Bootcamp
- Computer Architecture
- Data Structures & Algorithms
- Operating Systems
- Intro to Data Mining
- Object-Oriented Design

TECHNICAL SKILLS

- **Software Language:** ARMv8, Bootstrap, C, C++ (11-20), C#, Java, JavaScript, JQuery, Materialize, MERN, MIPS, Node.js, PHP, Python, React.js, NoSQL, SQL, Swift, TypeScript.
- **Software:** Atom, Blue J, CLion, Eclipse, Github (GIT), GraphQL, MongoDB, Netbeans, Xcode, IntelliJ IDEA, Pycharm, Progressive Web App, Robo3T, Visual Studio, Workbench
- **Skills:** Agile/Scrum Methodologies, API Rest/Soap, Scripting, Calculus, Debugging, Testing, Discrete Math, Data Structures & Algorithms, Back-End/Front-End, Linux, Machine Learning, MacOS, Microsoft Office, Model-Driven Development, Model-View-Controller, Probability & Stats, Program Life Cycle, TCP/IP/DNS, Windows, Wireshark, XML/JSON

PROJECTS

- **Portfolio – (JavaScript, React, Materialize, GIT, Vercel, HTML5, CSS3)** **August 2021 – August 2021**
 - A React Application that display my Resume, Skills, Projects and Contact information.
- **Windows 95 – (JavaScript, HTML5, CSS3, GIT, SQL, MVC)** **July 2021 – August 2021**
 - A full-stack web app visually based off of Windows 95. It'll verify the user and offer the ability to play classic games.
- **Mars Rover Challenge– (Python, GIT, JSON)** **February 2021 – March 2021**
 - Challenge that will read locations and coordinates and navigate a rover along path, then export every location to a REST API ready JSON file.
- **Java Auto Scheduler – (Java, Maven, GIT, Slack)** **January 2019 – May 2019**
 - Program built from requirements that utilizes custom API's to schedule courses for up to 5 students. The project is Java based and required the use and understanding of GIT, Maven, JSON, XML and Slack to complete.
- **Operating Systems Projects – (Advance C++, Pipeline)** **May 2019 – August 2019**
 - Prompted to simulate in C different aspects of an Operating System. Mutual Exclusion, Pipeline and Child-Parent Pipe. Course was an 8-week course. Each part of the project was given at max one-week deadline.
- **Intro to Data Mining - (Swift, REST API)** **January 2019 – May 2019**
 - Created an app that sent a POST and GET request to a REST API and display the data on an IOS App.
- **Firewall Project – (Cisco Firewall, Wireshark)** **August 2018 – December 2018**
 - Computer Security project that required the ability to calculate IP/DNS addresses to set up a resembling Cisco Firewall, then manipulate it to break through the firewall.
- **RAM Script Project - (Shell Scripting, C)** **August 2018 – December 2018**
 - Worked in a group to calculate the correct hex memory to override RAM from a partial memory manipulation script.
- **Aircracking Project - (Shell Scripting, Wireshark)** **August 2018 – December 2018**
 - Run through the process of capturing enough packets to crack the passcode to the internet.
- **Human Factors Project - (UML, Volere)** **August 2018 – December 2018**
 - While following Volere Standards, build a friendly, engaging, simple and appealing website using Wix Builder.

WORK EXPERIENCE

Footwear Associate - Academy Sports and Outdoors

May 2016 – November 2016

- Assisted 50+ customers daily, efficiently work with team to organize merchandise, update database with current stock. Commended by management for communicating clearly and efficiently with customers and team.

Maintenance - Round Rock Independence School District

May 2014 – August 2014

- Repaired broken or damaged furniture either alone or with a partner. Delivered new or repaired furniture to desired school within School District. Update schools' catalog of available furniture (desks, chairs, boards, carts).