COLBY **RUANE**

U.S Citizen · 214-705-4143 · colbyruane.business@gmail.com · www.linkedin.com/in/colbyruane

EDUCATION

University of Texas at Dallas (UTD) · Bachelor of Science in Computer Engineering   **Graduated Spring 2024**
Awards · Cum Laude Honors, Academic Excellence Scholarship Recipient   **GPA: 3.868**
Relevant Coursework · Software Engineering, Operating Systems, Database Systems, Human-Computer Interactions, Embedded Systems, Digital Circuits, Electronic Devices, Electronic Circuits, Data Structures and Algorithms

TECHNICAL SKILLS

Programming Languages · Python, Java, C++, C#, HTML, CSS, JavaScript, MIPS Assembly, Dart
Technology and Tools · Qt Framework, ReactJS, Git, Visual Studio Code, PyCharm, Unity Engine, MATLAB, Multisim, MySQL, Roboflow, Android Studio

PROJECTS

Personal Digital Portfolio   **Summer 2024**
- Crafted a website that highlights personal accomplishments as both an engineer and musician
- Manipulated all properties of the portfolio's Front-End design using vanilla HTML and CSS
- Utilized JavaScript and the Document Object Model (DOM) to link resume and external profiles to the portfolio

Automated Motherboard Inspection · SMS InfoComm Corporation   **Fall 2023 – Spring 2024**
- Developed an embedded system that utilizes **Object Recognition** and **Golden Template Comparison (GTC)** to identify physical defects on motherboards with minimal human intervention
- Created **Graphical User Interface** for an application that assists hardware engineers in navigating the motherboard inspection process at SMS InfoComm
- Defined project requirements and goals for the team using the **Waterfall** Software Development Model

Unwired Rewards · Human-Computer Interactions   **Fall 2023**
- Crafted the **Graphical User Interface** for a Dart mobile application that helps users monitor and reduce their daily mobile device usage
- Collaborated effectively with a team of software developers following the **Design Thinking Process**
- Utilized **GitHub** for version control to ensure smooth and secure development of the mobile application

LEADERSHIP EXPERIENCE

Officer, Section Leader · UTD Anime Orchestra Ensemble (AOE)   **Fall 2020 – Spring 2024**
- Conducted rehearsals for the brass section, ensuring preparedness and smooth integration with the rest of the orchestra
- Upheld standards for accountability and responsibility for the orchestra through **servant leadership**
- Evaluated newly arranged music for the brass section, providing constructive feedback and necessary adjustments

WORK EXPERIENCE

Best Buy · Frisco, TX · **Customer Experience Specialist**   **September 2020 – November 2020**
- Operated checkout registers, swiftly processing transactions and ensuring customer satisfaction
- Handled refunds and customer inquiries at the customer service desk, promptly resolving issues
- Provided phone support, offering guidance and troubleshooting assistance to customers

Brookstone · Frisco, TX · **Salesperson**   **April 2018 – September 2018**
- Enhanced customer experience by organizing the salesfloor and maintaining a clean shopping environment
- Managed Point of Sale (POS) transactions, efficiently handling cash and credit payments
- Delivered personalized recommendations and solutions to customers through in-depth knowledge of products and the technical climate