

Sebastian Barry

SUMMARY

As a senior undergraduate student, I am a passionate and energetic individual with a strong desire to succeed in the software development industry. I have a proven track record of excelling in creating full-stack applications, designing intuitive and visually appealing user interfaces, and developing high-quality software.

EXPERIENCE

Trimble, Westminster, CO - *UI/UX Intern*

May 2023 - August 2023

- Designing an intuitive design for a knowledge base document searching website
- Automating a document check-out process using Google App Script / Javascript
- Meeting with users of the knowledge base to generate project requirements
- Applying a Jira-centered agile methodology in a small 3-4 person team

NREL, Golden, CO - *Software Engineer Intern*

May 2022 - May 2023

- OpenPATH Open-source Travel Data Mobile App
- Face-to-face communication with users of the app to gather feedback
- Redesigned and implemented a new AngularJS frontend version of the mobile app
- Adding new data-types to the Python API
- Adding anonymous login functionality using generated QR codes

TutorDoctor, Denver, CO - *Programming Tutor*

March 2021 - December 2021

- Tutoring primary and college level students in AP Computer Science and math

C² Computer Consulting, Littleton, CO - *L2 Technician*

July 2020 - May 2022

- Scripting - PowerShell, Batch
- Technical troubleshooting Windows workstations/servers
- Training technical troubleshooting skills to new technicians
- Networking concepts - Active Directory, SonicWall Firewall, Microsoft Azure Active Directory, Microsoft O365, Exchange, SharePoint

EDUCATION

University of Colorado, Denver, CO - *Computer Science*

Anticipated B.S Graduation - December 2023

- GPA: 3.67
- Favorite Coursework: Web API, Data Mining, Software Engineering, Computer Architecture, Database Systems, Algorithms

VOLUNTEER & PROJECTS

Alternative Schools Network, Nonprofit - *Helping automate their document generating process*

July 2023

- Assisted in generating documents based on form submission using Google App Script and Adobe Document Generation API

“Course Dragon” Student Degree-Map Builder Website - *Team Leader (Senior Design project)*

August 2022 - May 2023

- Designed the website Course Dragon which allows students to drag and drop classes on their personalized “Degree Map” and allows Advisors to edit classes available to students
- Guided team on Jira
- Communicated with students and advisors for requirements
- Full stack MERN app - deployment using Docker on a Linux Red Hat server

Bits & Bytes Club, Heritage High School - *Teaching young kids how to program*

February 2019

- Participated in a high school club expo night which goal was to teach young kids about technology
- Tasked with teaching kids how to make a program which turned on/off a light on a breadboard microcontroller

Homework Time-Display Tool console app - *Team Leader (Technology Student Association club)*

February 2019

- C# console app where students can input their homework in a text file and then run the program and it displays a nice calendar in the console telling them how much time they have to spend on their homework assignments

SKILLS

Front-End Dev

- AngularJS
- ReactJS
- SASS/CSS
- UI/UX Design
- Adobe XD
- Figma
- jQuery
- TypeScript
- Google App Script

Back-End Dev

- NodeJS
- ExpressJS
- MongoDB
- Python Django
- C# and .NET
- Apache server
- Java Spring

Mobile Development

- iOS emulator
- React Native
- Android Studio
- Unity

Interpersonal Skills /

Client Communication /

Team Leading

- Jira
- GitHub
- Front-facing contact with users

Skills & Abilities

TECHNOLOGIES

- SQL database program in Python
 - Using Apache server
 - Designed and normalized database
- CSV file database program in C++
- Homework/time budgeting console program written in C#
 - Using datetime objects
- Familiar with Source Control concepts: Used Visual Studio Git, GitHub
- Graphical sword video game Java (Processing)
- Collection of simple ASCII mini games in SMILE BASIC

LEADERSHIP

- Second Degree Black Belt | People's Kenpo Karate | Highlands Ranch, 2009 - 19
- PR Team Director | Technology Student Association | Heritage High School, 2017-18 ·
- Reporter | Technology Student Association | Heritage High School, 2018 - 19

COMMUNICATION

- Assists others in successfully obtaining belt promotions (children and adults) with unique teaching methods.
 - Personally helped 2 individuals in getting their black belt
- Friendly customer assistance as a cashier at Noodles & Company.
- Professional communications with phone and customer support skills at Compute-ER