

TYLER DOWNEY

www.tylerdowney.tech | github.com/tylerdowney13 | tylerdowney83@gmail.com | (709) 325-1103

Education

Keyin College

Jan 2021 – April 2022

Diploma in Software Development

- Worked in Agile teams to develop full-stack applications using JavaScript, NodeJS, and React.
- Focused on the MERN and PERN stacks.
- AWS Certifications: Cloud Practitioner, Cloud Developer, Solutions Architect.
- Training in DevOps, SCRUM, Test-Driven Development, UI/UX design, and systems design.

Memorial University of Newfoundland

Sep 2009 – April 2015

Bachelor of Science in Psychology

Skills

JavaScript	Python	Java	AWS	Docker
React	NodeJS	HTML	CSS	Flask
Express	MySQL	PostgreSQL	MongoDB	Django

Professional Experience

Keyin College

St. John's, NL, Canada

Software Development Teaching Assistant

Apr 2021 – Mar 2022

- Conducted weekly question and answer sessions and personal tutoring sessions with students Keyin College's software development program. Assisted students in troubleshooting bugs in their code.
- Performed code reviews on students work and assisted in code optimization.

Projects

PowerPost (Social Media Web App)

<https://powerpost.netlify.app>

- Technologies: JavaScript, Express, React, MongoDB, NoSQL, Redux.
- Features: "PowerFeed" social media feed with pictures, likes and comments, "LiftLog" for keeping track of lifting statistics, instant messaging, articles, and a one rep max calculator.

SHRT Store (E-Commerce Website)

<https://shrtstore.netlify.app>

- Technologies: JavaScript, Express, React, PostgreSQL
- Features: Sales platform for a clothing company. Features an admin console where the owners of the business can create, edit, and delete products and view statistics on sales and user activity.

Book Library (Book Database App)

github.com/tylerdowney13/bookdatabase

- Technologies: JavaScript, Express, React, PostgreSQL
- Features: Fully function CRUD application that accesses a database using SQL. Users can view data on over 1000 randomly generated books and add, edit, or delete their own books.

Leadership

Project Team Lead (JavaScript Capstone Project)

Oct 2021 – Dec 2021

- Led a team of four developers through the application development process.
- Conducted daily SCRUM meetings and delegated tasks to group members.
- Created and managed a Trello board to track the project's progress.

Awards

RoboMaster Programming Competition (1st Place)

April 2022

- Acted as lead developer for Keyin College's RoboMaster Programming competition.
- Developed a Python program that guided a robot through various rooms within the campus. The robot scanned markers outside of the doors of the rooms and then went through various sequences based on the context of the room. It actively looked for people that needed to be rescued or simulated "fires" that it had to put out with its cannon.