

# Mehmet Berke Karadayi

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## Technical Skills

<b>Programming Languages</b>	TypeScript, JavaScript, HTML/CSS, Python, C, SQL, Assembly
<b>Frameworks and Tools</b>	NodeJS, ReactJS, React Native, Tailwind CSS, WordPress, Git/Github, Command Line/Prompt
<b>Hardware</b>	Microcontroller, FPGA, Breadboard, Multimeter, Circuit Analysis

## Education

### University of British Columbia

Bachelor of Applied Science in Electrical Engineering

Vancouver, Canada

Sep 2020 - May 2025

## Technical Work Experience

### Cerebrum Tech

Software Engineer Intern

Istanbul, Turkey

May 2022 - Aug 2022

- Assisted the development of an NFT Marketplace application utilizing **React**, **CSS** and **TypeScript** to enhance mining operations, resulting in a 15% increase in overall efficiency.
- Designed and implemented authentication pages for mobile platforms utilizing **React Native** and **GitHub**, which improved user experience and increased app downloads by 30%.
- Collaborated with cross-functional teams in an agile environment, regularly scheduled and facilitated weekly meetings with colleagues and supervisors to ensure timely delivery of projects.

## Technical Projects

### YouTube Simulator

Personal Project

July 2022 - Sep 2022

- Designed and developed a dynamic video player web application using **JavaScript**, **React** and **Semantic UI** enabling users to seamlessly search and play any video on YouTube.
- Leveraged Google Developers Club's **API** to interact with the YouTube data server, providing efficient and accurate access to a vast library of videos.
- Implemented key features such as video playback controls and playlist functionality, optimizing the user experience and driving increased engagement.

### City | Workout Application

Personal Project

April 2022 - June 2022

- Developed a web-based personal workout tracking application, utilizing **JavaScript**, **HTML** and **CSS** to enable users to manage their preferences and track their workouts.
- Employed the Geolocation **API** and Google Maps' server-side data rendering to detect the user's location asynchronously, delivering an enhanced user experience and ensuring accurate tracking of workout activities.

### Coin Picking Robot

School Project

Jan 2022 - April 2022

- Coordinated with team members to develop and integrate custom functions using **C programming language** and **PIC32 microcontroller system**, resulting in a fully functional coin detection and pick-up system that exceeded project requirements.
- Designed and implemented a metal detector circuit using a multimeter, soldering iron, and wire cutter to detect coins and perimeter boundaries, ensuring accurate and efficient coin pick-up.

## Volunteer Experience

### Turkish Student Association

Events Team Member and Web Developer

Vancouver, Canada

Sep 2020 - Present

- Developed and maintained a dynamic website for a student club using **WordPress**, effectively communicating the club's vision, past events, and initiatives to a broad audience.
- Effectively leveraged **WordPress** plugins and tools to optimize website functionality and user experience, resulting in increased engagement and positive user feedback from surveys I have launched.
- Coordinated and hosted networking events to connect Turkish students with employers throughout British Columbia, facilitating meaningful professional connections and promoting career development.