



# Amar Singh

A recent graduate with a degree in electrical engineering, specializing in MATLAB, AutoCAD, programmable language controller (PCL), and electrical wiring. Adept at driving the development of innovative technology products to solve real-world problems.

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## Academic Experience

### Electrical Engineering Projects

University of Washington, Seattle, WA September 2020 – May 2022

- Built a microcontroller and created an Android application to enable remote control of home appliances, which included defining the UI and enabling bluetooth connectivity
- Developed and built LED sensors and microcontrollers to reduce unnecessary energy usage within the home by switching lights off and on based on motion
- Executed a project to build a PIC microcontroller to balance and share load consumption by monitoring power usage within the home

## Work Experience

### Retail Associate

BestBuy, Seattle, WA January 2021 – May 2022

- Provided quality service to 20-30 customers on a daily basis, fielded questions regarding electronics, and provided product recommendations based on customer needs
- Coordinated with a team of retail associates to organize inventory, manage product displays, and drive continuous improvement

## Education

Bachelor of Science (B.S.)  
Electrical Engineering  
University of Washington, Seattle, WA  
September 2018 - May 2022  
GPA: 3.85

## Key Skills

- Electrical Engineering
- Microcontrollers
- MATLAB
- AutoCAD
- Product Development