

pEdward Ko

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<https://github.com/Edwardko2004?tab=repositories> | Website Link

EDUCATION

Boston University || Boston, MA

August 2022– May 2026

B.S Computer Science

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Graph Theory, Combinatorics, Geometric Algorithms, Probability in Computing, Analysis of Algorithms, Object-Oriented Programming and Data Models, Database Management, Intro to AI, Software Development

SKILLS

- Python, React.js, SQL, Assembly, Bootstrap. Java, C, HTML, CSS, JavaScript, Microsoft Applications, Excel, Git, Selenium, XML
- Languages: English, Korean
- Interests: Cybersecurity, Virtual Reality, AWS, AI, Supply Chain, E-Commerce, Gym

PROJECTS

Price Tracker : *Software Developer*

07/2024 – 08/2024

- Successfully implemented a fully functional price tracking tool with real-time notifications
- Utilized **BeautifulSoup** to parse and extract data from Amazon product pages in **Python**
- Extracted and processed product prices in real-time, converting the data to a float for accurate comparison
- Added a custom User-Agent header to mimic a real browser, ensuring proper access to Amazon's content

Job Application Automation : *Software Developer*

06/2024 – 07/2024

- Implemented a script to navigate LinkedIn's job search interface, filter job listings based on specific criteria, automatically access job postings, and employed to locate and manipulate specific **HTML/CSS** elements
- Automated the sign-in process using **Selenium** to handle login credentials securely, including handling **CAPTCHA** manually
- Streamlined the job application process by automatically filling in application forms with predefined user data, including phone numbers
- Leveraged various **WebDriver API** methods and classes, including `find_element`, `find_elements`, `send_keys`, and `click`, to interact with web elements on LinkedIn.

WORK EXPERIENCE

Extern: *Consumer Behavior and Market Analysis*

12/2024 – 2/2025

- Conducted in-depth research to gather and analyze consumer insights, leveraging qualitative and quantitative data collection methodologies to address targeted business questions.
- Utilized AI-powered tools to conduct advanced data analysis and visualization, delivering actionable insights through dynamic dashboards and Gamma-powered presentations.
- Acquired and applied skills in data visualization, AI-driven analysis, and customer insights mapping to solve complex consumer behavior challenges, contributing to actionable strategies and business growth.

Veritas Learning Center: *SAT/Competition Office Assistant*

05/2023 – 08/2023

- Provided one-on-one private SAT/Competition math tutoring, raising student SAT scores by 150+
- Designed and implemented test and learning material for the SAT math section using LaTeX
- Managed and tracked student statistics using Microsoft Office Applications
- Created pivot tables and COUNTIF formulas in Excel to automate data entry processes