

## PROJECT EXPERIENCE

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### DISCORD BOT – FEBRUARY 2021

<https://github.com/caelebk/discordbot>

- A chat bot that executes functions based on user input, currently deployed on an Amazon EC2 Instance.
- Uses Cheerio (subset of JQuery library) and Axios (HTTP client library) to web-scrape data off popular League of Legends statistics website OP.GG to obtain inputted user's data.
- Sends a reminder notification to the user upon request after the selected amount of time, while limiting the usage of the command per user to prevent spam.
- Extracts and parses data from a public League of Legends Google Spreadsheet (Google-API) based on the labels inputted by user.
- Implemented using Node.js and Javascript.

### POLYNOMIAL CALCULATOR – APRIL 2020

<https://github.com/caelebk/PolynomialCalculator>

- Derives/integrates polynomials inputted and solves them at a given point, following order of operation rules.
- Displays compact UI through JPanel.
- Implemented with Java using JUnit for testing.

### BILLBOARD MUSIC CHART WEB-SCRAPER – SEPT 2019

<https://github.com/caelebk/Billboard100>

- Web-scrapes data from the Billboard Hot 100 music charts using BeautifulSoup (web-scraping library) and stores the data in a Pandas (data-frame library) data-frame.
- Visualizes data through dot plots and line charts using Matplotlib (plotting library) based on the extracted Billboard Hot 100 data-frame.
- Implemented using Python.

## EDUCATION

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**University Of British Columbia | GPA: 4.0 / 4.33**

Bachelor of Science, Computer Science

Sept 2019 - May 2023 (Expected)

## TECHNICAL SKILLS

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### Programming Languages:

C++, Java, Javascript, Python, C, HTML,

CSS, Assembly, R, Racket

### Others:

Git, Amazon EC2, Node.js, npm,

MATLAB, Linux