Christopher McGale

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EDUCATION

UNIVERSITY OF WATERLOO
Bachelor of Computer Science
Sep 2018 - April 2023 | Waterloo, ON

WILFRID LAURIER UNIVERSITY
Bachelors of Business Administration
Sep 2018 - April 2023 | Waterloo, ON

LINKS

Facebook:// **dd**
Github:// **deedydas**
LinkedIn:// **debarghyadas**
YouTube:// **DeedyDash007**
Twitter:// **@debarghya_das**
Quora:// **Debarghya-Das**

COURSEWORK

UNDERGRADUATE

Object Oriented Software Development
Computer Organization and Design Optimization
Data structure and Data Management
Operating Systems
Advanced Algorithm Design and Analysis
Financial Management and Equity Analysis
Financial Statement and Tax Form Preparation
Statistical and economic Analysis
Marketing and Human Resource practices

SKILLS

PROGRAMMING LANGUAGES

Proficient in:
C++ • Python3 • Javascript(ES6) • Node.js • C
Familiar With:
Java • Shell • Latex
Web Frameworks
React.js • jQuery
Other Framworks, Libraries, Tools and Platforms
AWS • Heroku • Linux
Git • Keras • Wordpress
DataBases
MySQL • DynamoDB

WORK EXPERIENCE

CPA CANADA | Intern
Jan 2020 - Apr 2020 | Toronto, ON

CITY OF TORONTO | Pool in Charge + IT and Data Base
June 2014 – Sep 2014 | Mountain View, CA

- 52 out of 2500 applicants chosen to be a KPCB Fellow 2014.
- Led and shipped Yoda - the admin interface for the new Phoenix platform.
- Full-stack developer - Wrote and reviewed code for JS using Backbone, Jade, Stylus and Require and Scala using Play

TECHNICAL PROJECTS

OBJECT ORIENTED IMPLEMENTATION OF CHESS | School Project

Final group project. Written in a group of 3. My responsibilities were; The Piece classes, Movement, and Check/Checkmate. Both human and computer (With varrying difficulties) allowed. A final UML is included as well as a design documentation.

KERAS DEEP LEARNING HANDWRITTEN EQUATION SOLVER | Personal Project

Uses the canvas element to accept numbers and operators as input which is then processed by a Keras neural network and appended to an equation. Once the user asks to solve, the string is converted to a DFA and parsing errors are screened; if the equation was valid, an answer is computed and displayed. Back end written in node.js and C++. Front End written in Javascript, html, css.

SNAKE BROWSER GAME | Personal Project

Simple browser game written in html, javascript and css.

PUPPETEER FINANCIAL WEB SCRAPE | Personal Project

Finds data of all fortune 500 companies from: Yahoo Finance, Nasdaq.com, and macrotrends.com; and tests each with the Benjamin Graham 7 qualifications for an undervalued equity. Updated quarterly and reports the findings in a table. back end written in node.js using the pupetter library.

HUFFMAN ENCODE AND DECODE | School Project

Written in C++. encode.cpp takes any English text and returns both the Huffman tree and the encrypted text. decode.cpp takes the output from encode.cpp and returns the initial text.