

Bradley Jang

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EDUCATION

University of Victoria

September 2016 – May 2021

Bachelor of Science, Computer Science

Graduated May 2021

Relevant Courses: *Information Security and Privacy, Computer Networks, Databases, Operating Systems, Intro to Artificial Intelligence, Systems for Massive Datasets, Systems Analysis, Digital Logic and Computer Organization, Human-Computer Interaction*

EXPERIENCE

Associate Developer

August 2021 – Present

Infosys

- Successfully completed consulting projects for CN Rail and Kraft-Heinz
- Worked on data migration project using SAP ETL tools
- Wrote SQL to extract, transform, and curate data from legacy database systems
- Consulted with client and derived necessary statistics from aggregated data before loading into target database
- Designed, modified, and deployed Apache Spark database jobs

Computer Science Tutor

September 2021 – March 2022

Privately Employed

- Worked with students enrolled in first and second year computer science courses
- Taught and reviewed concepts pertaining to object oriented programming, data structures, hash tables and algorithms

Junior Back-End Developer Co-Op

June 2020 – August 2020

Casting Workbook

- Developed an API using C# and MS SQL Server to operate on 50,000 old database entries
- Improved online casting platform, allowing casting directors to edit records that were previously changed manually by employees in the back-end
- Used .NET to map JSON input into a format that can be operated upon by SQL
- Implemented error handling to undo erroneous or redundant changes to databases
- Performed strenuous unit and behavioural testing using company's Swagger API

PROJECTS

Personal Website | *HTML, CSS, Javascript*

July 2021 - November 2021

- Created a website, bradleymackenziejang.github.io, to showcase personal accomplishments and experiences
- Implemented a text typing animation for visual effect
- Created a slideshow of profile images

Domain Analytics | *Shell Scripting*

March 2021 - April 2021

- Wrote a Shell script to gather information pertaining to the domain registrar, web hosting provider and network provider of a given domain using Linux commands such as whois, sed/awk, and grep
- Employed checks to ensure input was in a form readable by Linux, modifying the input if improperly formatted
- Returned output to user in a .txt file, overwriting the file with each successive use

Sudoku Solver | *Java*

February 2021 - March 2021

- Utilized matrices to represent a Sudoku problem, with options to use sample or user provided values
- Designed a program that uses depth first search to solve the Sudoku problem

TECHNICAL SKILLS

Languages: HTML/CSS, C#, Java, Python, C, SQL (Postgres, MSSQL), Apache Pig

Frameworks: .NET, Balsamiq, WordPress, Hadoop

Developer Tools: Docker, Git, Visual Studio, Notepad++, Pycharm, IntelliJ, Swagger, LaTeX, SAP BODS, Jupyter, Sqoop, MongoDB