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Joshua Evans

EDUCATION

Western University   London, ON

Bachelor of Engineering Science, Software Engineering   *Sept/15 – May/20*

Academic Record: Dean's Honor List 2015-2020 (3.9 GPA)

Coursework: Data Structures & Algorithms, Database Systems, Networks, Operating Systems

EMPLOYMENT

Canadian Pension Plan Investment Board   Toronto, ON

Software Developer - Intern   *May/19 – Aug/19*

- Increased the accuracy of asset management by reporting analytics that were gathered from joining previously isolated sources of data, by developing a framework that abstracts sources of data to allow different structures of data to be joined.
- Provided the ability for senior management to quickly perform critical internal operations from off-site locations by developing an encrypted public REST API, which securely authenticates and authorizes the user before performing the operation.
- Reduced the time-complexity of many operations from linear to logarithmic within an internal support tool by restructuring the data and re-designing the algorithms.
- Leveraged knowledge in Git and Maven for version control, Java and JavaScript for high-level application development, and PowerShell for triggering recurring tasks.

Ciena Corporation   Ottawa, ON

Software Designer - Intern   *May/18 – Apr/19*

- Improved the design of a testing framework by reducing the lines of code by more than 50% and reducing code redundancy by introducing object-oriented design principles to a historically procedural codebase.
- Eliminated 100% of all detectable errors in the team's switching fabric code through the process of debugging, mainly by enforcing parameter checks and avoiding deadlocks.
- Leveraged knowledge in Git and Perforce for version control, C and C++ for low-level programming, and Python for application development.

PROJECTS

SpendSense

- Developed a web- and mobile-application which uses computer vision to parse images of receipts, then learns to automatically categorize items for the user to breakdown and track their spending to help users evaluate their financial activity with ease.
- Leveraged knowledge in Git for version control, Angular for the frontend application, Node.js and Express to serve the API, MongoDB to manage the data, and Mocha for testing.

SKILLS

Proficient: Java, JavaScript, Python, MongoDB **Familiar:** C++, C, MySQL, HTML/CSS