David John

david.john@mail.utoronto.ca | (647)-764-4608 | www.linkedin.com/in/David-J-John | Toronto, ON M4C5L5
https://davidjohnnnn.github.io/My-Own-Website/index.html https://github.com/DavidJohnnnn

Summary

Graduated from the University of Toronto Electrical and Computer Engineering program in 2019. Passionate about software design, web development, computer networks and system design. Adept in Java, Python, HTML, CSS, JavaScript, PostgreSQL and MATLAB, with working knowledge of a number of other programming languages. Experienced with object-oriented programming, a myriad of basic and complex algorithms, relational database logic, design and querying, and network programming and protocols. Strong work ethic both individually and as a team member. Quick to learn and adapt existing knowledge to new technologies, applications and programming languages.

Education

Bachelor of Applied Science, Electrical Engineering, University of Toronto, St. George Campus (graduated May 2019)

Relevant Experience

Project Leader (student), Capstone Engineering Design Project, University of Toronto   9/2018 - 4/2019
- Led a team of three fellow students, working with three U of T Professors to create a software deliverable: a psychology research software application to be paired with a consumer-grade open-source EEG headset.
- Designed software details and helped write the application in Java (through Processing IDE) & MATLAB (through EEGLAB).
- **Earned Certificate of Distinction as one of the top 20 Electrical and Computer Engineering Capstone Design Projects 2018/2019.**

Junior Analyst, Independent Electricity System Operator (Oakville, ON)   5/2017 - 8/2018
The Market Assessment & Compliance Division of the Independent Electricity System Operator (IESO) is responsible for monitoring and enforcing compliance with the Market Rules for the Ontario Electricity Market to ensure the reliable operation of Ontario's power system. These "reliability standards" apply to Ontario Electricity Market participants such as electricity generators and transmitters.
- Assisted in the evaluation of various technical documents on relevant generation and transmission facilities provided by market participants as proof of their compliance with the reliability standards; compiled these evaluations into technically written reports presented at team meetings.
- Supported the completion of technical assessments analysing the impact of possible breaches of reliability standards on the reliability of Ontario's power system.

Technical Profile

- **Programming:** Java, Python, HTML, CSS, JavaScript, PostgreSQL, MATLAB, JQuery, Bootstrap, C/C++, Node.js, Express.js, APIs, Bash Shell scripting, Git, EJS, TCP/IP, UDP, DNS, JSON, XML
- **Applications:** Google Workspace, Microsoft Office, Microsoft Outlook, Atom, IntelliJ IDEA, Github Desktop, Slack, Hyper, Heroku, PgAdmin4, Processing IDE, Postman, SQL Shell (Psql), Wireshark, Notepad++, SVN
- **Platforms and Frameworks:** Windows, Mac OSX, Linux
- **Relevant University Courses:** Introduction to Databases, Computer Networks, Internetworking, Algorithms and Data Structures, Leadership in Project Management, The Art of Ethical & Equitable Decision Making in Engineering