SU YOUN JEON

Software Developer

📞 +1-647-883-7520   @ sjeon1006@gmail.com   📍 Toronto, ON

SUMMARY

Motivated and results-driven Computer Science professional with 4+ years of academic and professional experience in software development. Proficient in various programming languages and libraries, including Python, JavaScript, and React, with strong expertise in algorithms, data structures, and software engineering principles. Proven track record in leading projects to design and implement innovative solutions. Experienced in developing interactive web applications and collaborating effectively with cross-functional teams. Seeking opportunities to apply my technical skills and collaborative approach in a dynamic environment, contributing to impactful projects and advancing my professional growth.

PROFESSIONAL EXPERIENCES

Web Production Artist

TVO   📅 05/2021 - 10/2022   📍 Toronto, ON

- Developed and deployed interactive online courses for the Ontario Ministry of Education, ensuring alignment with educational standards and student engagement. Designed and implemented layouts and scripts using Javascript, Python, and HTML/CSS to enhance the visual and functional aspects in the Virtual Learning Environment.
- Worked closely with cross-functional teams, including Learning Experience Designers and Curriculum Specialists, to ensure courses were pedagogically sound and visually engaging.
- Successfully resolved bugs and completed two years' worth of issue board tickets in just two months, significantly improving course functionality.
- Maintained high standards of course quality, driving an engaging and effective learning experience for students.

Undergraduate Research Assistant

York University   📅 09/2018 - 08/2019   📍 Toronto, ON

- Used Gaussian software to perform qualitative and quantitative analysis of stability of bimetallic clusters and created molecular models to predict energies, molecular structures, and spectroscopic data (NMR, IR, UV index), contributing to comprehensive research reports.
- Conducted routine data analysis to correct and verify data entry, ensuring accuracy and reliability of research findings.
- Interpreted and analyzed research data to draw conclusions and outcomes.
- Assisted in writing and editing experimental results for publication in scientific journals.

EDUCATION

Bachelor of Science in Computer Science

Oregon State University   📅 06/2022 - 08/2024   📍 Corvallis, Oregon

- Graduated with Magna Cum Laude distinction, achieving a 3.8/4.0 GPA

Certificate in Full Stack Development

University of Toronto   📅 05/2020 - 08/2020   📍 Toronto, ON

- Full Stack Development Bootcamp

Bachelor of Science in Chemistry (Honours)

York University   📅 09/2015 - 06/2019   📍 Toronto, ON

- Specialized Honours in Pharmaceutical Biological Chemistry

SKILLS

Python, Javascript, C/C++, C#, MySQL, MongoDB, PostgreSQL, PHP, Ruby, Raku, Prolog, Racket, HTML/CSS, React.js, Node.js, Express, RESTful APIs, AJAX, MVC Architecture, Git Version Control, Google Cloud Platform, Heroku, Agile (Scrum/Kanban), Waterfall, TDD, BDD, Unit Testing, OAuth2/JWT, Encryption (SSL/TLS), Vulnerability Scanning, Network Protocols (TCP/IP), Algorithm design and analysis

PROJECTS

Express Mart

🔗 https://github.com/tndus604/express_mart

Click here to view the deployed project

- Developed a robust database-driven website for a grocery store to manage their transactions. The project includes a Node.js and Handlebars-based UI for CRUD operations, with a MariaDB backend ensuring efficient sales tracking, customer preference analysis, and data-driven decision-making to enhance service and drive growth.

Job Tracker

🔗 https://github.com/tndus604/job_tracker/tree/main

Click here to view to the deployed project

- The Job Tracker application simplifies the job search process by allowing users to manage job applications. It features secure login and signup, with users redirected to a personalized dashboard showing all their applications. The intuitive interface enables easy updates to job details like title, company, salary, and status, helping users stay organized throughout their search.

Checkers Game

🔗 https://github.com/tndus604/Checkers-Game

- Created a Python-based Checkers game with both command-line and GUI versions, featuring diagonal moves, piece capture, and promotion to kings and triple kings.

TCP-IP Programming

🔗 https://github.com/tndus604/TCP-IP-Programming

- Developed a network uptime monitoring tool using TCP/IP protocols. It includes a monitoring service for continuous server checks and a management service for configuring and managing these tasks. The project supports various services (HTTP, HTTPS, ICMP, DNS, NTP, TCP, UDP), along with an echo server and client for TCP communication.

OTP Generator

🔗 https://github.com/tndus604/otp-generator

- Application that generates and retrieves one-time passwords (OTPs) using the TOTP (Time-based One-Time Password) algorithm. It includes functionality to generate a QR code for setting up the OTP in an authenticator app and to continuously display the current OTP.

FIND ME ONLINE

in **Linkedin**
https://www.linkedin.com/in/haley-jeon-54ba66197/

🐙 **GitHub**
https://github.com/tndus604

🌐 **Porfolio**
https://tndus604.github.io/haley-portfolio/