Brian Ni

Jr. Software Engineer

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Motivated individual looking for Junior Software Engineering role.

KEY SKILLS

- Languages: C++, Python, Java, SQL
- Frameworks: Pandas, NumPy, PyGame, Curses
- Software: VS Code, Visual Studio, SSMS, Git, Jupyter Notebooks, Anaconda, VIM
- Core Competencies: Detail Driven, Communication skills, Critical Thinking skills, Teamwork and Collaboration skills

EDUCATION

Bachelor of Science in Computer Science | SUNY Binghamton at Binghamton, NY   August 2019 – May 2023
Thomas J. Watson College of Engineering and Applied Science

Relevant Coursework:

- CS240 - Data Structures and Algorithms (C++)
- CS350 - Operating Systems (C)
- CS428 - Computer Networks (Python)
- CS444 - Programming for the Web (JavaScript)
- Math226 & Math227 - Calculus 2
- CS320 - Advanced Computer Architecture
- CS375 - Design and Analysis of Algorithms (C++)
- CS442 - Design Patterns (Java)
- CS471 - Programming Languages (Prolog & Haskell)
- Math304 - Linear Algebra

Certifications

- **AWS Certified Cloud Practitioner** | Amazon Web Services   July 2023

PROFESSIONAL EXPERIENCE

Consulting – Intern | Queens, NY   May 2023 – Current
  - Working on Python project using Pandas and Openpyxl connecting to SQL server backend to generate Excel reports
  - Automating Excel reports and its formatting and mailing using Python
  - **Skills:** SSMS, SQL Server 2022, T-SQL, Python, Jupyter Notebooks, VS Code, Anaconda

Course Assistant | *Binghamton University Computer Science* | Binghamton, NY   August 2021 - June 2022
  - Assisted students in developing their writing skills and understanding of ethical frameworks, improving student outcomes
  - Provided written analysis and feedback for student presentations and essays
  - Coordinated and worked with other course assistants in grading, planning, and documenting course materials
  - **Skills**: Python, Microsoft Word, Microsoft Excel, Interpersonal Communication

PROJECTS

LearnIt!
  - Created a Quizlet-styled Python program housed in the terminal using the Curses library
  - Implemented algorithm for randomizing study sets, updating as users correctly answer questions
  - Designed optimal data structures for data access and external read-write capabilities using the Json library
  - **Skills:** Python, Curses, Json, VS Code

Python Excel Report Tool
  - Created a Python class that automates generating Excel file from an SQL database using Pandas and Openpyxl
  - Implemented an Openpyxl workbook wrapper class to format Excel rows, columns, and cells
  - Wrote a Python script to automate emailing reports using SMTPLib and the Python Email library
  - **Skills:** Python, Pandas, Openpyxl, SSMS, SQL Server 2022, T-SQL, VS Code, Jupyter Notebooks

Spotify Web App
  - Created a simple web app using JavaScript, React.js, and the Spotify API
  - Collaborated with 3 other members in the web app design, creating a simple-yet-intuitive user interface
  - Implemented algorithm that prevents users from seeing previously skipped or saved songs
  - **Skills:** JavaScript, React.js, CSS, HTML5, Collaboration, Interpersonal Communication