David Shen

computer science student

📞 (647)-636-5394 | ✉ ds.david.shen@gmail.com |
in linkedin.com/in/ds-david-shen/ | ⚙ github.com/ds-David-Shen | 📍 Kingston, Canada

EDUCATION

Queen's University   Kingston, Canada
Bachelor of Computing   *September 2020 – ongoing*

EXPERIENCE

Java Instructor   September 2019 – January 2020
Triway Education   *Markham, Canada*

- Taught students varying from grade 4-12 fundamental concepts in the Ontario Curriculum
- Taught algorithms in preparation for the Canadian Computing Contest, such as graph theory(breadth-first search, kruskal, lowest-common ancestor) and data structures(segment tree + lazy propagation, square root decomposition)

PROJECTS

Practice Bot | *Python, discord.py, MariaDB*   September 2020 – Present

- Contributed to Discord Bot for DMOJ/Codeforces/AtCoder/WCIPEG/CSES/Szkopuł integration. Handles problems, accounts, ratings, contests, and submissions.
- Currently used in over 200 discord servers

DialekTech | *Git, BootStrap, CSS, HTML, Javascript, Node,js*   May 2020

- TOHacks 2020 Most Innovative DCP Award Runner-up
- Web Application that takes in long video lessons and queries for the answers to specific questions asked by students

TECHNICAL SKILLS

Languages: Java, Python, C/C++,, JavaScript, HTML/CSS, LaTeX
Frameworks: Node.js,JUnit, Bootstrap, MariaDB
Developer Tools: Git, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Libraries: NumPy, Matplotlib