Derek Li
software engineer

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� /deruga4
in /in/lderek

❯_ Projects

LightDAR (Capstone) - Website: lightdar.com; **Repository**: github.com/lybrian/eng4k

Dynamic speed sign that uses LIDAR instead of traditional RADAR. Developed data processing and transmission using serial connection between Arduino and Raspberry Pi running a web server. Implemented Let's Encrypt TLS digital certificate on project website. Python, C, Microcontrollers.

Flashcards - Repository: github.com/deruga4/Flashcards

Independently developed a flashcard command line application. Implemented a text parser and state design pattern. Python, state design pattern.

Portfolio – Website: derekl.ca

Independently developed and maintained online Portfolio deployed on Heroku PaaS. Django, SQLite, PostgreSQL, Bootstrap, CSS, JavaScript.

🔧 Skills

Languages: Python, Java, JavaScript

Web Application Penetration Testing: Aircrack, nmap, hashcat, Setoolkit

Web Frameworks: Django, NodeJS, express

💼 Experience

Student Technology Assistant (Sept. 2015 - Present)
eServices, York University
Worked as a Wordpress developer, utilizing many tools (e.g. custom types, taxonomies, jQuery) to create views on web pages customizable for non-technical individuals.

- Assisted Faculty of Liberal Arts and Professional Studies with a wide range of web projects
- Provided tech support for other employees
- Created user manuals
- Presented in progress report meetings

🎓 Education

York University, ON – Beng, Software Engineer
Sept. 2016 – Present

Expected Graduation: April 2019