

Danielius Simols

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EDUCATION

Imperial College London

Computing MEng

Expected June 2024

- 1st year: 63.90% (upper Second)
- Set theory, Logic, Graphs & Algorithms, Computer Architecture & Circuits, Reasoning on Programs
- Software Engineering Design, Worked with 4 teams, DevOps
- RSA Encryption, Macroprocessing, Safe Concurrency, Implementing an OS, Implementing a Compiler

EXPERIENCE

PCB, 3D Modelling, Product Design

Current Hobby

For my keyboard idea

- Learned to design my own PCB, and best places to source them.
- 3D printed and soldered together a working keyboard
- Have modified firmware, and flashed it onto hardware
- In process of creating new prototype

System Admin

2019

Remote game server

- Ran a game server which netted 117 users.
- Managed remote server with good practices like back-ups. Bought domain for it.
- Enforced rules for users, strictly dealt with bad actors to keep rest of players happy.

INTERESTS

Improving Operating Systems/Languages

Innovation

- I love to find ways to improve systems we take for granted.
- E.g. The keyboard I designed uses hexagonal keys for consistent spacing and a keymap organised by key usage.
- Plan to make own constructed language, own programming language, and would like to contribute to Linux.

Linux

Maintaining Linux Mint

- I've tried linux distros: Linux Mint, Ubuntu, MX Linux, Arch Linux, Fedora, OpenSUSE.
- Learning BASH, linux utility commands, open-source programs.
- Interested in open-source and have read about GNU.

Natural Languages

Natural Language Processing

- Learning how we make sounds through learning the IPA.
- Learning Japanese; Know Hiragana, Katakana, some grammar, can recognise around 500 kanji.
- Plan to get into constructed languages in the future.

TECHNICAL SKILLS

Languages: C, Kotlin, Java, Haskell, SQL, x86 Assembly, Regex