Menno Kramer

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(email communication much preferred)

Ever a problem solver/solution builder, from Lego to programming to MacGyvered hardware, I am interested in a career where I can use the computer science knowledge that I gained both from my degree and otherwise. My aim would be to take on work that uses a variety among my skills and presents varying problems or challenges to be solved.

Experience

November 2019 – April 2021
Online Manager, The Edge (Southampton University Student's Union)
- Site maintenance, including but not limited to manual embed updates and user registration.
- Implementation of dark mode, with a moderate amount of custom CSS to tweak certain elements to work with the plugin.
- The Edge nominated for Best Website and Best Overall Digital Media in Student Publication Association Awards 2021 - a little dark mode goes a long way, it seems.
- https://www.theedgesusu.co.uk

6-10 July 2015 (Work Experience Week)
Intern, Cummins Power Generation
- Pruning, transfer between database systems, and organisation of documents.
- Assisted in making an Issue and Solution tool which automatically updates the new system from a standalone program.

Education

July 2021
BSc Computer Science, University of Southampton
2:1 / Second Class Honours (Upper Division)
Optional modules completed: Advanced Computer Networks, Security of Cyber Physical Systems, Engineering Management and Law, Computer Vision, Game Design and Development, Computer Systems II (Embedded Systems).
Compulsory modules completed: Algorithmics, Computer Systems I, Data Management, Foundations of Computer Science, Professional Development, Programming I, II, & III, Software Modelling and Design, Distributed Systems and Networks, Programming Language Concepts, Interaction Design, Intelligent Systems, Theory of Computing, Group Project.

Dissertation-equivalent project: Cross Platform Barcode Reading-based Shopping List.
Written in Java, taking each frame of a video feed and passing it to an existing scanning library, then product lookup in a local dictionary and/or remote JSON API, with outputs to stdout, file, audio (via a 3rd party text-to-speech program), and GPIO (LEDs plugged into a Raspberry Pi).

June 2018
A Levels, Chatham and Clarendon Grammar School
Mathematics – A, Physics – A, Chemistry – B, Computer Science - B, Further Mathematics – D.

June 2016
GCSEs, Chatham and Clarendon Grammar School
English Language – A, English Literature – C, Mathematics – A*, Business Studies – A, Computing – A*, Religious Studies – C, Triple Science – AAA, Spanish – A, Further Mathematics – A*

Skills
- Familiar with Java, dabbled in Python, CSS, C, and a tiny bit of Lua.
- Problem solving
- Teamwork
- General computer skills.
- Experience with Git (via CLI), self-publishing on GitHub including README and license.

Miscellaneous
In June 2017 I volunteered to mentor primary school children on coding, and how to create art with coding at Dreamland as part of Genetic Moo's Perpetual Motion Machine workshop event.

Hardware experience:
- Raspberry Pi (1B, 3B+, 4B) inc. GPIO
- Constructed a working PC from parts of a tower (dead motherboard) and an All-in-One (overheating + dead PSU)
- Laptop maintenance, as far as redoing thermal paste.
- Recently sourced components and built a new gaming PC (despite the market situation).

Set up a system where a Raspberry Pi with a partial keyboard runs batch files on the aforementioned PC via SSH for RGB lighting control via OpenRGB and other software.
PC RGB lighting is also controlled by a custom Python script (which in turn runs batch files) to match the currently used element in Destiny 2, through the game's OAuth API.
https://github.com/mennockramer/SubclassCommands

Completed the Duke of Edinburgh Bronze Award.

Moderator to a Destiny 2 community February 2019 to January 2020, administrator of the same since June 2020.