

Lauren Brown

SOFTWARE ENGINEER · ELECTRONIC ENGINEER

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Skills

Programming	Rust, Python, C, C++, Java, LUA
Hardware Engineering	Digital Systems Engineering, Analog Design, PCB Design
Project Management	Project Planning, Software Engineering, Systems Administration

Education

University of Surrey

MENG ELECTRONIC ENGINEERING (CURRENT STUDENT)

Expected to Graduate in July 2021 with a 1st class Master's degree

Guildford, England

Oct. 2014 - Aug. 2015; Oct. 2018 - Present

Kennet School

4 A LEVELS

Computing · Physics · Mathematics · Further Mathematics

Thatcham, Berkshire, England

Sept. 2012 - Jul. 2014

Experience

Fast Forward Imaging GmbH

HEAD OF HARDWARE DEVELOPMENT & SOFTWARE ENGINEER

- **Technologies:** Python · Ruby · C (Embedded) · PCB Design · Digital Electronics · Server Administration
- Lead an initiative to augment product with 3D capabilities.
- Worked with customers to implement custom features on existing products.
- Responsible for systems administration duties of the company's entire server and cloud infrastructure.
- Worked in a team, and with manufacturers to produce documentation and solid designs aiding in transitioning to external production.
- Lead product support team, including remote and in the field debugging of products.

Berlin, Germany

Mar. 2017 - Feb. 2018

Botspot GmbH

HARDWARE & SOFTWARE DEVELOPER

- **Technologies:** C, C++ · LibUSB · PCB Design · Digital Electronics
- Designed Control hardware, software, and networking for new Generation of 3D scanners.
- Designed camera control software from scratch (C++, LibUSB) to work with proprietary cameras.
- Provided upgrades to existing Products to improve their reliability and lifespan.

Berlin, Germany

Nov. 2015 - Mar. 2017

AWE

INDUSTRIAL PLACEMENT (SUMMER INTERNSHIP)

Electronics Work. Details protected under confidentiality agreements.

Aldermaston, England

Aug. 2015 - Oct. 2015

Extra Curricular

Personal Software projects

I CREATE OPEN SOURCE SOFTWARE IN MY FREE TIME:

- **CUE** (Rust): Desktop Environment running on the console (Currently in Development)
- **Pysketch** (Python): Framework for taking the boilerplate code out of simple scripts (Finished)
- **L-CAD** (C): single gate level simulation of Boolean Logic in the time domain for identifying hazards. (Abandonware)
- **SegNAND** (Electronics) & **Blocky-Synth** (C++): My experiments with electronic music, trying to make interesting sounding instruments.

github.com/IGBC

Synthesiser and Electronic Music Society

CREATED AND RAN A SOCIETY AT SURREY UNIVERSITY'S STUDENTS UNION

Supporting students in creating DIY musical instruments.

Libreflip

OPEN SOURCE BOOK SCANNER - LEAD ELECTRONICS ENGINEER.

Team Project to create an automatic page turning book scanner.

Active Chaos Computer Club (CCC) Community Member

ASK FOR "SEGFAULT"

Until recently I was an active Member of the c-base, and a regular contributor to other Berlin hacker-spaces.