

Lauren Brown

SOFTWARE ENGINEER · ELECTRONIC ENGINEER

18 Auclum Close, Burghfield Common, Reading, RG73DY

☎ (+44)7932784071 | ✉ lauren.brown@mailbox.org | 📱 IGBC

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)

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

Berlin, Germany

Mar. 2017 - Feb. 2018

- **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.

Botspot GmbH

HARDWARE & SOFTWARE DEVELOPER

Berlin, Germany

Nov. 2015 - Mar. 2017

- **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.

AWE

INDUSTRIAL PLACEMENT (SUMMER INTERNSHIP)

Aldermaston, England

Aug. 2015 - Oct. 2015

Electronics Work. Details protected under confidentiality agreements.

Extra Curricular

Personal Software projects

I CREATE OPEN SOURCE SOFTWARE IN MY FREE TIME:

github.com/IGBC

- **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.
- **Baubit**: Team project to create Programmable LED Christmas baubles (Coming Next Christmas)

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.

Holds Full UK Driving Licence