Ashley **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 *Guildford, England*

MENG ELECTRONIC ENGINEERING (PARTIAL, DID NOT GRADUATE) *Oct. 2014 - Aug. 2015*

Passed first year with 'Distinction', however terminated my studies for personal reasons.

Kennet School *Thatcham, Berkshire, England*

4 A LEVELS *Sept. 2012 - Jul. 2014*

Computing · Physics · Mathematics · Further Mathematics

Experience

Fast Forward Imaging GmbH *Berlin, Germany*

HEAD OF HARDWARE DEVELOPMENT & SOFTWARE ENGINEER *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 *Berlin, Germany*

HARDWARE & SOFTWARE DEVELOPER *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 *Aldermaston, England*

INDUSTRIAL PLACEMENT (SUMMER INTERNSHIP) *Aug. 2015 - Oct. 2015*

Electronics Work. Details protected under confidentiality agreements.

Extra Curricular

Personal Software projects

I CREATE ESOTERIC 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.
- **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 CCC Community Member

ASK FOR "SEGFAULT"

I am an active Member of the c-base, and a regular contribute to other Berlin hacker-spaces, and attend events.