Matthew Lind

GitHub

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Career Objective: **Product Development Engineer**

Qualifications

Open Source Electronics Developer

- ○ Researched, designed, sourced, documented, and brought-to-market an open source Raspberry Pi board – PiLC
- ○ Informed design with experience of harsh real-world conditions
- ○ Published supporting documentation, useful code, project ideas, and source CAD files to provide the community with full ownership of project

Communicator

- ○ Proven history of customer support for both technical and non-technical customers
- ○ Multi-disciplinary collaboration with engineers, medical doctors, game designers, business owners, IT staff, and artists
- ○ Produced and maintained documentation for internal records
- ○ Wrote and edited customer-facing articles summarizing new development

Relentless Learner

- ○ Acquired and honed technical skills through self-directed projects, such as Android app development, solar panel setup, and most recently, an IoT Game Piece
- ○ In constant pursuit of new knowledge and understanding
- ○ Enthusiastically share knowledge and ideas with anyone who wants to learn

Professional Experience

Electronics Prototyping Consultant 2018 – Present
Consultant
>   Circuit design, part sourcing, and prototyping for devices including USB-rechargeable wearable light, handheld power tool with position-controlled end-effector, and e-Paper based device

Labyrinth Escape Games 2016 – 2018
Chief Engineer
>   Designed, developed, and produced escape room props, puzzles, and set pieces from physical appearance to electronic PCB design to microcontroller programming. Internal and external customer support of prop installation, maintenance, and upgrades

Epic 2014 – 2015
Technical Services Representative
>   Primary technical support for 3 Healthcare Organizations' Anesthesia application. Closely worked with IT staff and Anesthesiologists to optimize, customize, and design system workflows. Led weekly meetings and guided system installations, upgrades, and changes. Additional internal duties included server code development and QA, backup for team members, and acquisition of subject matter expertise as point-person

Skills and Experience

- C/C++, Python, Java, JavaScript, HTML, PHP, Android
- SolidWorks, AutoDesk Inventor, FreeCAD
- Fritzing, KiCAD
- SPI, UART, I2C, HTTP
- ESP8266, Raspberry Pi, ATMega328P, Arduino, Teensy
- Lithium-Ion battery charging and protection circuitry
- Linux CLI

Education

B.S. Materials Science and Engineering, University of Washington, 2013
In-Major GPA: 3.58

Fun Stuff

> 2016 Portland Marathon Finisher

> Amateur Photographer

> Emacs OrgMode Enthusiast