**Jonathan Lowe**

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**EDUCATION**

**University of Virginia School of Engineering**, Charlottesville, V.A.

*B.S. Computer Engineering* (anticipated) December 2017

 GPA 3.97

**Central Virginia Community College***,* Lynchburg, V.A.

*A.S. Engineering* Fall 2014

* GPA 3.95
* Merit-based, full-tuition scholarship recipient from Central Virginia Community College and the Engineering Advisory Committee

**SKILLS**

C, C++, Python, Java, JavaScript, VHDL, PHP, HTML, CSS, Reason, Django, Rust, LabView, Git

**WORK EXPERIENCE**

**University of Virginia** Charlottesville, V.A.

*Teaching Assistant, Intro to Embedded Systems* Fall 2016 – Spring 2017

* Helped students, in class of 50, understand course material and debug their projects for 8 hours a week

**Wexler Consulting Group**, Alexandria, V.A.

*Developer* Summer 2016

* Developed 2 marketing software products including a chrome extension and WordPress plugin using JavaScript and PHP

*Interface Analyst* Fall 2014 – Fall 2015

* Managed 5 client accounts; provided support to clients; responded to client questions and requests
* Implemented 5 automated email marking campaigns on Infusionsoft, per month
* Provided IT support for the office
* Performed web development for clients, customized web forms with HTML and CSS; Edited WordPress sites adding opt-ins; Built a website

*Intern* Summer 2014

* Learned to use Infusionsoft independently through internet research
* Provided administrative support for the office

**PROJECTS**

**Processor Design** Spring 2017

Designed a 16-bit RISC processor using VHDL and ModuleWare

**Web Application** Spring 2017

Wrote a secure file sharing web application using Python and Django

**Programming Language Interpreter**  Spring 2017

Wrote an interpreter for Cool using Java, Python, JavaScript and Reason

**Accelerometer Calculator Game**  Spring 2016

 Implemented a serial communication protocol between a TI 84 calculator and a MSP430

microcontroller and used an accelerometer to move a dot around the screen of the calculator

**EXTRACURRICULARS**

**Legion of Mary**, Falls Church, V.A. Summer 2014 – Fall 2015

Performed 2 hours of community outreach a week: visiting nursing homes and home visits

**Classical Piano**, Lynchburg, V.A. Fall 2001 – Fall 2012