**David Pottinger**

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**Profile**

Embedded system developer of 4+ years with tiny manufacturing or commercial product companies. By wearing many hats I've built dream prototypes in days instead of weeks, cut costs through redesign and supplier change, wrote, fixed, deciphered, or scorned specifications, proposed the best technologies to pursue, wrote firmware for hundreds of new features, and brought a few dozen products into the world. I'll be studying for a master's in Electrical and Computer Engineering until 2018.

**Work Experience**

Staff Engineer, Komaru Technologies

April 2015 – Present

Komaru is a design firm with their own on-site small-scale manufacturing. Our most impressive features are turnout and convenience - we can make your product the way you want quickly!

* Develops any idea, design, prototype, example, or existing product until ready for manufacture
* Creates new manufacturing tools such as a dispenser wirelessly controlled by an iPad
* Past projects include redesign for low cost an acoustic system to deter aquatic mammals from fishing nets, integration of a DSP chip for adding noise-canceling to wireless headphones, and developing code for a USB data logger dongle to convert data to documents in PDF format

Electrical Engineer, NiteRider Technical Lighting Systems

June 2013 – April 2015

NiteRider has made performance bicycle lighting systems in San Diego since 1990.

* Introduced solutions for power management, thermal feedback control, LED driving and

dimming, user interface, communication, and lithium battery charging

* Duties included performance testing with automated Agilent data logging system and maintaining the company's Altium library and design files repository
* Designed a new police bicycle system with LIN communication between accessories

Intern Engineer, ARMA Design

June 2012 – June 2013

While ARMA was in business it was a design firm similar to Komaru with some of the same people.

* Learned from a mentor practices for rapid prototyping, testing, product specification, component selection, scheduling, debugging, and data dump testing
* Met project requirements in a fast-paced schedule

**Education**

San Diego State University

Bachelor’s Degree in Electrical Engineering, June 2012, GPA: 3.02

University of California, San Diego

Master's Degree in Electrical and Computer Engineering, expected June 2018, GPA: 3.3