THOMAS A. KILBRIDE

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EDUCATION
Purdue University, West Lafayette, IN
Studied Electrical Engineering (Minor in Economics), 2015

OBJECTIVE
Searching for full-time employment in hardware engineering or project management starting immediately.

EXPERIENCE

Embedded Systems Engineer Radical Transport, LLC. Fall 2015 - Present
http://markcubancompanies.com/
Worked with a small team making hoverboards for Mark Cuban. Responsible for writing firmware and designing circuits to control a two-wheeled self-balancing scooter using a ARM Cortex-M4. Heavily involved with high-level consumer product design by working closely with Industrial Designers & Mechanical Engineers.

Hardware Engineering Intern Apple, Inc. Winter 2015 - Fall 2015
http://Apple.com/
Analyzed the performance of prototype and production Mac systems. Identified performance bottlenecks and architectural improvement areas in hardware and silicon. Was used to predict the benefit of architectural changes.

Developer & Co-Founder Toucan Checkout Winter 2014 - Summer 2014
http://GetToucan.com/
Managed the backend design of a mobile ordering and checkout system which allowed users to order food without waiting in line. The system tracked past user order history to increase revenue for businesses up to 12%.

Hardware Project Manager Purdue Electric Racing Spring 2010 - Spring 2014
http://PurdueElectric.org/
Managed the development of systems to characterize and validate vehicle performance. Results were used to validate designs and improve vehicle performance and competition ranking.

SKILLS
Knowledge of PCB Design, Electronics DFM, DC Power Supplies, PCB Layout,
SPI, I2C, UART, USB, CAN Bus, DDR, and CPU/GPU Architecture
Circuit debugging skills with Logic Analyzers, Spectrum Analyzers, Network Analyzers and Oscilloscopes
Programming skills in C, Python, Java, MATLAB, ABEL-HDL, and ARM-Assembly
Experience in SMT soldering, PCB Routing, CNC, manual machining, and rapid prototyping
CAD experience in OrCAD, Altium Designer, EagleCAD, KiCAD, and SolidWorks

ACHIEVEMENTS
Won "Most Technically Impressive" and "Most Likely to Succeed Startup" at MHacks Hackathon
Selected to interview for the YCombinator S14 batch in Palo Alto, CA
Won 1st in "Best Project Concept" in the 2014 HackADay Prize competition
Elected Executive Student Body President of Skyview High School in Vancouver, WA

PROJECTS
Technical Director of BoilerMake Badge Design Team
Co-Founder of Toucan Checkout, a mobile ordering & payment system
Co-Founder and Project Manager of Purdue Electric Racing team
Purdue Formula SAE Electronics Team Member