Aaron Dinkledine

U.S. Citizen

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Objective: To design and improve electrical systems on a team where innovation and leadership are encouraged alongside honesty, humility, excellence, and continuous learning.

Education:

Purdue University — *West Lafayette, IN*
B.S. Electrical Engineering — *2011*

Work Experience:

- Assistant Property Manager – CTH LLC, Kokomo, IN — Aug. 2011 – Feb. 2012
  - Replaced house wiring – Installed electrical outlets, switches, & lamps
  - Put a roof on a house – Removed & replaced OSB, facia, felt, & shingles
  - Created website – Installed Wordpress & trained manager to use it

- Co-op – General Electric Consumer & Industrial, Louisville, KY
  - 2 Assignments in Product Quality – Microwave and Air Conditioner — *Fall '06, Spring '08*
  - 2 Assignments in Manufacturing Quality – Dishwasher and Washer — *Fall '08, Summer '09*

- Counselor and Counseling Team Leader – Reformed Presbyterian Missions — *Summer 2008*
  White Lake Covenanter Camp, White Lake, NY

- Camp Staff – Seminar for Top Engineering Prospects (STEP) — *July 2006*
  Purdue University, West Lafayette, IN

- Farm Hand – David Carter Farms, Russiaville, IN — *Summers 2002-04*

Honors:

- Elected President of GE Consumer & Industrial Supply Chain Co-ops — *Spring 2008*
- Purdue University Honors Program — *2005-2006*
- Purdue University First-Year Honors Engineering — *2005-2006*
- National Merit Scholar — *2005*

Coursework:

- Electrical Engineering Design Projects – Designed a motor controller & digital state machine
- Feedback Control Systems – Designed a motor position controller & interfaced with Matlab Simulink
- Digital Control Systems – Studied compensator design using z-transform & other methods
- Power Electronics – Studied buck converters, boost converters, rectifiers, & inverters
- Electromechanical Motion Devices – Studied DC motors, stepper motors, & induction motors
- Semiconductor Devices – Studied the effects doping & geometry have on semiconductor properties
- Intro to Digital System Design – Designed a basic 3-bit computer & programmed FPGAs
- Advanced C Programming – Designed a two-dimensional packing algorithm
- Intro to Entrepreneurship & Innovation – Researched a business idea & delivered an elevator pitch
- Marketing & Management for New Ventures – Wrote a business plan & pitched it to VCs