

Aaron Crawfis

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Education

The University of Notre Dame

GPA: 3.8/4.0
B.S. Computer Engineering
Integrated Business Sequence
Anticipated Graduation: May 2017
Dean's List: Fall 2014, Spring 2015,
Fall 2015, Spring 2016

Technical Skills

Programming:

Python, Bash, C, C++, C#, ASP.NET,
Objective-C, HTML, MATLAB, VBA,
Verilog, PIC & MIPS Assembly

Software:

Microsoft Office, Adobe Creative Suite,
Final Cut Pro, Xcode, Vector CANalyzer

Awards and Achievements

AT&T Hackathon - 2nd Place

VaGo – October 2015
Top 3 Digital Life Hack
Best Design & Most Polished

HackIllinois – Top 5 Hardware

Project Northface – February 2015

AT&T Hackathon – 1st Place

Beacon – October 2013

Clubs and Leadership

Robotic Football Club
Shamrock Leadership Series
DPAC Student Advisory Board
Stanford Hall Web Commissioner
Appalachia Service Learning Seminar
Eta Kappa Nu Honor Society- President
Technology Liaison Program Coordinator

Relevant Coursework

Electronics
Electric Circuits
Data Structures
Logic Design (TA)
Signals & Systems
Operating Systems
Database Concepts
Embedded Systems
Computer Networks
Computer Architecture
Fundamentals of C (TA)

Internships

Vennli – South Bend, IN

Summer 2016

Project Management & Product Development Intern

- Assisted in the migration of the Vennli application from PHP to .NET.
- Worked 1-on-1 with project managers to learn and develop management skills.
- Contributed to key strategy & marketing decisions.

Fiat-Chrysler Automobiles – Auburn Hills, MI

Summer 2015

Product Development Intern – Advanced Driver Assistance Systems

- Designed and implemented test cases to improve the reliability of a variety of active safety features.
- Worked with car diagnostic and logging tools to perform benchmarking analysis.
- Automated department forms and spreadsheets.

AT&T – Dallas, TX

Summer 2014

Technical Development Program Intern – Network Engineering

- Created an iOS application to manage project rollouts and forecasting.
- Assisted in the development and testing of network probing equipment.
- Interacted with senior leadership in a corporate environment.

Work Experience

Notre Dame Office of Housing

May 2016 - Present

Resident Assistant – Stanford Hall

- Worked to create a positive living environment designed to link community, faculty, and resident.
- Created, planned, and implemented educational, social, and recreational programs.
- Counseled peers on personal, academic, faith, and career concerns.

Notre Dame CSE Department

August 2015 - May 2016

Teaching Assistant – Introduction to Computing for EE Majors, Logic Design

- Offered weekly office hours to assist students with projects and assignments.
- Reviewed and graded submitted code activities, assignments & exams.

DeBartolo Performing Arts Center

August 2013 - Present

Stagehand and Electrician

- Work with full time staff to provide technical and managerial support for visiting artists.
- Assist with inventory and facility maintenance as needed.

Projects

Web Connected Dorm Air Conditioner

Summer 2015

- Designed and built a smart air conditioner using internet of things (IoT) technology. The user can track and manipulate the temperature and humidity of the room through a mobile interface.
- Details: <http://tiny.cc/smartAC>

VaGo Digital Key iOS App

Fall 2015

- Designed an iOS application that gives temporary access of your home to friends or family. Integrated with the AT&T Digital Life system, VaGo can control lights, doors, temperature, alarms & more.
- Winner of 2nd place overall, best UI/Design, and 3rd place AT&T Digital Life hack.
- Details: <http://tiny.cc/vago>