AARON TAYLOR

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Currently studying abroad at the Aquincum Institute of Technology

EXPERIENCE

Head Developer and Cofounder, Peck App

FALL 2013 - PRESENT

Started a company after pitching and winning the annual Williams College Business Plan Competition. Formed a team of 5 other CS majors and worked out of the Lever, Inc. accelerator for the summer. Lead development of a full-stack mobile application for iOS and Android with a Ruby on Rails backend, taking part in creating every piece of the project. Four servers run the webservice and the application is now live on the iOS App Store. Peck is a social calendaring service for college students providing information and event-based communication.

Winter Intern, New Signature

JANUARY 2014

Designed a system for knowledge management and intellectual property creation for diagnostic, configurational, and procedural toolsets with goals of internal efficiency and expanded services in the field of IT consulting.

Filmmaker, Berkshire Productions

2007-PRESENT

Founded a filmmaking and videography business built around client relationships and purpose-driven media that furthers an organization's message and goals. Completed more than 160 jobs for over 40 clients, learning about a wide variety of cinema technologies, hardware, and software in the process.

iPhone app development, Williams Computer Science Department

SPRING 2013 - Present

Created an app, HungryEph, to provide a simpler and more intuitive interface for daily and late night snack bar menus that uses data scraped from the existing online dining resources. Currently in use by Williams students.

PROJECTS

Compiling Interpreter for x86 machine code written in ARM assembly language

Created the fastest interpreter in my Computer Architecture class by compiling translated instructions of the x86 instruction set into mapped sequences of ARM instructions allowing for much faster runtimes.

Replicated Hosting within a P2P Marketplace

Created a fork of the OpenBazaar decentralized marketplace project in its early stages to emulate a hosted site environment within a P2P network. Used the Entangled implementation of a Kademlia distributed hash table to facilitate replicated storage of a user's site across multiple peers.

Electric Powered Off-Road Vehicle - Summer 2011 - Fall 2013

Hand-fabricated a full-suspension metal frame from raw steel tubing. Designed the power train electronics system, used CAD software to design and fabricate control board, motor mount, and drivetrain assembly.

EDUCATION

Williams College — Junior, class of 2016

GPA: 3.388

Major: Computer Science

Selected Coursework: Distributed Systems, Data Mining, Computer Architecture and Organization, Principles of Programming Languages, Mobile Application Development, Introduction to Cryptography, Computer Graphics, Computer Vision for Digital Cinema

TA: Principles of Programming Languages (Spring 2015), Intro to Computer Science (Fall 2013, Spring 2014)

SKILLS

Computer Science: Objective-C, Ruby, Java, C/C++, Python, Bash, Assembly Language, Distributed Systems, iOS Development, Relational Databases

Other Interests: Metalworking and Fabrication, Woodworking, Piano (15 years), Williams Cycling Club, Williams Sailing Team, Williams Nordic Ski Club, Hiking, Film