

Jacob Varner

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EDUCATION

AUBURN UNIVERSITY

DUAL MBA & MISE

Expected May 2019

AUBURN UNIVERSITY

Bs IN SOFTWARE ENGINEERING

May 2017

PROJECTS

WEB

Auburn Flyers

www.auburnflyers.com

Basketball Blog

hoops.jacobvarner.com

Auburn Basketball Stats

www.auburnbasketballstats.com

Cycling Blog

cycling.jacobvarner.com

S.C.O.R.E.

www.scoreau.org

See all of my projects on my website or on my Github profile.

SKILLS

PROGRAMMING

Using...

HTML, JavaScript, Jekyll, jQuery & Sass

Learning...

React, CSS Grid

Used...

Android, Assembly, Bootstrap, C, C#,

C++, Meteor.js, MongoDB, MySQL,

PHP, Python, Ruby on Rails, & SQLite

APPLICATIONS

Microsoft Word, Excel, & PowerPoint;

Google Docs, Sheets, & Slides; Adobe

Photoshop & Illustrator; Atom; VS

Code; Git/GitHub; Cyberduck;

TeXShop; Todoist

NOTABLE COURSES

Computer Architecture, Software

Process, Databases (MySQL), Wireless

Software Engineering (Android),

Computer Networks and Security,

Software Quality Assurance, Software

Design and Modeling (UML), Operating

Systems, Algorithms, Software

Construction, Discrete Structures

EXPERIENCE

COSAM OUTREACH | GRADUATE RESEARCH ASSISTANT

June 2017 - Present | Auburn University, AL

- Managed registration, invoices, and payments for Project Lead The Way Trainings that involved hundreds of teachers and over \$200,000 in course fees.
- Collected data and generated a report for the 130 students that have taken part in the Summer Science Institute which provided valuable information on the effectiveness of the program so far.

COSAM OUTREACH | WEBMASTER AND TECHNOLOGY MANAGER

August 2013 - May 2017 | Auburn University, AL

- Helped prepare and run 96 K-12 STEM programs over four years that had over 700 contact hours and impacted over 4,000 students, teachers, and parents all across Alabama and the Southeast.
- Reviewed applications and served as counselor and then head counselor for the Summer Science Institute which brought 75+ highly qualified high school students to Auburn's campus.
- Head scorekeeper and webmaster for both War Eagle BEST and the South's BEST Regional Robotics Championship that have involved over 240 schools and thousands of students since 2013.
- Manage the main website that serves info for each of our programs and designed and developed stand alone websites for War Eagle BEST, South's BEST, and the Southeastern Center of Robotics Education.

FITZ-THORS ENGINEERING, INC. | SUMMER SOFTWARE INTERN

May 2013 - Aug 2013 | Bessemer, AL

- Developed a system for tracking surgical equipment in and out of operating rooms using different RFID tags and an RFID reader that was programmed using C# in Visual Studio.
- Prototyped a remote pet feeder with video chat capabilities using a Raspberry Pi and basic Python code along with APIs and the framework for the Raspberry Pi.
- Observed the development of a fully automated robotic arm that sealed the dashboard system of a car using a heated end effector.

INVOLVEMENT

AUBURN FLYERS CYCLING CLUB | ROAD CAPTAIN

April 2017 - Present | Auburn University, AL

Schedule group rides, training, and team building activities off the bike, for the 70+ members of the club as well as submitting all paperwork for road races in the spring.

AUBURN BASKETBALL | LEADER OF THE JUNGLE

October 2014 - Present | Auburn University, AL

Work directly with Auburn Athletics to communicate ideas between the marketing department and our leadership team. The Jungle now has had record breaking student attendance numbers as high as 3,500 for a game.