Jacob Varner

www.jacobvarner.com | jacob.varner14@gmail.com | github.com/jacobvarner

EDUCATION

AUBURN UNIVERSITY
Dual MBA & MISE
Expected May 2019

AUBURN UNIVERSITY
Bs in Software Engineering
May 2017
Major GPA: 3.53 /4.0

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, & Sass
Learning...
jQuery & Python
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; 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 Core Trainings that involved over 120 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.