

Jacob Varner

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EDUCATION

AUBURN UNIVERSITY

BS IN SOFTWARE ENGINEERING

Expected May 2017 | Auburn, AL
Samuel Ginn College of Engineering
Cumulative GPA: 3.22 /4.0
Major GPA: 3.38 /4.0

HOOVER HIGH SCHOOL

May 2013 | Hoover, AL
Engineering Academy
International Baccalaureate
Math Team
GPA: 4.10 /4.0

PROJECTS

WEB

Personal Website

www.jacobvarner.com

Emmy Njaaga Personal Website

www.emmynjaaga.com

Auburn Basketball Stats

www.auburnbasketballstats.com

The Jungle Times

www.ajungletimes.com

War Eagle BEST

www.wareaglebest.org

South's BEST

www.southsbest.org

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

SKILLS

PROGRAMMING

Using...

JavaScript • Java • Meteor.js • Sass
HTML • MongoDB

Learning...

Angular • Python • React

Used...

Ruby on Rails • Android • C++
Assembly • PHP • C • Bootstrap
C# • SQLite • MySQL

APPLICATIONS

Microsoft Office...

Word • Excel • PowerPoint

Adobe Creative Suite...

Photoshop • Illustrator • InDesign

Other...

Atom • Git/GitHub • Cyberduck
Android Studio • Koala • TeXShop
Todoist • Sublime Text

EXPERIENCE

COSAM OUTREACH | WEBMASTER AND TECHNOLOGY CONSULTANT

August 2013 - Present | Auburn University, AL

- Help prepare and run a myriad of STEM programs including BEST Robotics, Summer Science Institute, Robotics University and others that have involved thousands of K-12 students and hundreds of teachers.
- Oversee and distribute 24 MacBooks, 30 iPads and other technology for the various teacher trainings and student programs.
- Manage the main website that serves info for each of our programs and designed and developed stand alone websites for both the War Eagle BEST and South's BEST Robotics competitions.
- Head scorekeeper and webmaster for both War Eagle BEST and the South's BEST Regional Robotics Championship that have involved 240 schools and thousands of students in 2013, 2014, and 2015.

FITZ-THORS ENGINEERING, INC. | SUMMER INTERN

May 2013 - Aug 2013 | Bessemer, AL

- Worked on my own projects as well as projects alongside the two other Electrical Engineers the summer after graduating high school.
- Developed a system of 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 BASKETBALL | LEADER OF THE JUNGLE

October 2014 - Present | Auburn University, AL

- Oversee the Marketing, Campus Involvement, Media, and In-Game Operations sections of the Jungle Leadership Team.
- Worked directly with Auburn Athletics and Auburn Men's Basketball to promote and organize home basketball games as well as coordinated cheers during games.
- Created and evaluated applications to bring on 10 more members to the Jungle Leadership Team for the 2015-2016 season.

NOTABLE COURSES

Wireless Software Engineering (Android), Computer Networks and Security, Software Quality Assurance, Software Design and Modeling (UML), Operating Systems, Algorithms, Software Construction, Discrete Structures