

Jacob Varner

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Education

MBA and Master of Industrial and Systems Engineering | Auburn University, May 2019

BE in Software Engineering | Auburn University, May 2017

Featured Projects

1. Battleship | battleship.jacobvarner.com

A simple JavaScript game developed to practice and show my functional JavaScript skills outside of normal jQuery manipulation of websites.

2. Jacob + Emmy Wedding Website | www.jacobandemmy.com

Our wedding website that I designed and developed to my fiancé's standards. This site highlights my attention to web design.

3. Auburn Basketball Stats | github.com/jacobvarner/auburnbasketballstats

My largest project that I built to learn Meteor as a full-stack JavaScript framework. I plan to rebuild this application as I learn React.

You may view all of my projects on github.com/jacobvarner and codepen.io/jacobvarner.

Work Experience

Graduate Research Assistant in charge of Technology | College of Sciences and Mathematics Outreach Office at Auburn University
August 2013 – Present | Auburn University, AL

- Head of scorekeeping and webmaster for South's BEST and War Eagle BEST Robotics where I developed a website for each competition as well as set-up and ran custom scoring software for the different games each year where over 250 teams and thousands of students competed.
- Developed an automated BEST engineering notebook submission, judging, and scoring system based in Google Sheets and Google Apps Script in order to significantly reduce the time and complexity it takes to judge hundreds of team notebooks each year.
- Implemented Google Drive in our office for managing documents, event tasks, and photos for our several unique programs and events.
- Invoiced and managed payments for Project Lead The Way teacher trainings and events that involved hundreds of educators and over \$200,000 in course and conference fees.
- Reviewed and analyzed hundreds of high school student applicants for our Summer Science Institute where I also served as head counselor and gathered data afterwards to show the impact the program had in sending almost 40% of students to Auburn after high school.

Software Engineering Intern | Fitz-Thors Engineering, Inc.

May 2013 – August 2013 | Birmingham, AL

- Developed a prototype surgical tool tracking system using RFID technology ran by custom C# code.
- Explored the use of a Raspberry Pi, Python, and image processing APIs to build a remote pet feeder.

Skills and Applications

I'm currently using: JavaScript, jQuery, HTML, CSS (Sass), and Jekyll

I'm actively learning: React and modern JavaScript best practices

I've previously used: Android, Bootstrap, C, C#, C++, Meteor, MongoDB, MySQL, PHP, Python, and Ruby on Rails

I work daily in: VS Code, Google Chrome, Google Drive (mostly Google Sheets), Adobe Photoshop, Git/GitHub, Todoist, and Inbox by Gmail

Leadership and Involvement

President for the Auburn Club Cycling Team | April 2017 – Present

I was originally road captain for the team and have now been elected as president. As both road captain and now president, I am in charge of organizing the team and making sure the business side of the club runs smoothly while still building the involvement of the club overall.

Graduate Advisor for the Auburn Basketball Student Section | October 2014 – Present

I founded the original Jungle Leadership Team before the 2014 season and helped grow the student section attendance to record breaking numbers of 3,500+ students during SEC games in 2018. I served as President until graduation and now serve as a Graduate Advisor.