

# TRAVIS WILBORN

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## SUMMARY

Full stack Software Developer with an emphasis on backend and database management. Committed team member with priorities focused on collaboration and efficiency. Self-motivated to learn new technologies to ensure a competitive edge.

## PROJECTS

### ■ Network Analyzer

In progress

Built a Network Analyzer using Raspberry Pi II running Kali linux, enables the user view their entire network traffic, using a suite of penetration techniques and tools. This allows users to analyze data packets transmitted over their network, mitigating their risk of unwanted packet loss and capture.

### ■ Olympus - PC Builder

May 2017

Olympus is a full-stack web application built on top of a massive relational database. Designed and built database seeders and migration tables, essential to the compatibility checks feature. This web application allows a user to create a custom built PC, based off information from the database, dynamically displayed that populates on user input—ensuring compatibility between parts. To insure compatibility the database spans many different parts of a PC, including their respective specifications and requirements which are managed through migration tables that allow the data to populate the front end views. The backend utilizes PHP and Laravel to do the bulk of the logic and data handling. The frontend takes advantage of a custom Bootstrap 4 source, SASS and React JS in order to create a fluid and unique user experience.

### ■ Radar Defense

April 2017

Designed & built a Radar Defense simulation based on the Simple Simon memory game. with JavaScript, CSS, Bootstrap, and HTML. The player is tasked with clicking sectors in a sequence that grows in complexity as the player advances in waves. The player is met with a video/audio message upon losing.

## WORK EXPERIENCE

### *Researcher, Texas A&M Univ. Microbiology/Plant Pathology lab*

April 2016 – September 2016

-Experiments and their required materials were planned and executed in precise order to ensure repeatability.  
-Adhered to strict protocols and mitigated risk factors to data collection and the experiment at large.

### *File Clerk/IT Support, Terrell & Carter, P.C.*

January 2016 – May 2016

-Maintained and backed up workstations to Network Attached Storage.

### *Substitute Teacher/ IT Support, College Station ISD*

August 2014 – May 2015

### *Research Assistant, Institute of Surgical Research, B.A.M.C*

March 2014 – August 2014

-Assisted Lindsay Miller Ph.D with cloning small RNAs and other vectors, assisted with research involving biofilm growth in antibiotic media.  
-Data collection using a plate counter and other various imaging equipment.

### *Salesperson, Altex Computers & Electronics*

November 2012 – February 2013

-Provided exemplary customer service by advising customers on their networking and IT needs.  
-Built servers, server racks and repaired various electronic components.  
-Readied and diagnosed in home NAS and RAID systems.

## SKILLS

**Back-end:** PHP, Laravel, MySQL, Cloud deployments, Linux

**Front-end:** JavaScript, jQuery, JSON, AJAX, CSS, HTML

**Version control:** Git, GitHub

## SKILLS IN PROGRESS

Golang  
Assembly  
C++

## Education

### **Codeup,**

San Antonio, TX  
*Software Development*  
February 2017 – May 2017

16-week intensive web development course focused on developing full-stack applications with PHP, Laravel, HTML, CSS & JavaScript. 500+ hours inside & outside the classroom learning and building projects such as interactive games/programs and API-driven weather widgets.

### **St. Mary's University,**

San Antonio, TX  
*B.A., Int'l Relations*  
2008 – 2011

Included graduate coursework in International Relations