

# Jorge Salas

FULL STACK WEB DEVELOPER · COMPUTER SCIENCE AND DISCRETE MATH TUTOR · ELECTRONICS HOBBYIST

Winston-Salem, NC

✉ jasalas@alumni.uncg.edu | 🏠 www.jspro.dev | 📺 SALASJA | 📺 jorgesalas tutoring

## Skills

<b>Electronics</b>	WiFi Routers, Raspberry Pi, Arduino, Addressable LEDs, Motor Controllers
<b>DevOps</b>	Git, NGINX, Apache2, SSH, FTP
<b>Back-end</b>	Node.js, Express, REST API, MySQL
<b>Front-end</b>	React, HTML5, CSS, JQuery, AJAX
<b>Programming</b>	JavaScript, PHP, Python, Java, C++, C, Bash, LaTeX, Scratch, Snap
<b>Methodologies</b>	OPP Paradigm, RWD Design
<b>Operating Systems</b>	Windows 10, macOS, Linux
<b>Languages</b>	English, Spanish

## Projects

### www.jspro.dev

FULLSTACK JAVASCRIPT WEB APPLICATION DEVELOPER PORTFOLIO

Mar. 2022 - May. 2022

- Front-end is build in React, carries RWD design principles, and managed with Git.
- CRD (Create, Read, Delete) Todolist demonstrates AJAX communication with Express backend.
- Express backend is configured with GET and POST handlers which communicate with the MySQL database that stores todo list tasks.
- Express server is proxied by NGINX web server. The webserver ssl credentials were certified by certbot.
- The domain name was purchased from Google domains and a dynamic DNS Bash script is currently used to keep its IP up to date.
- The entire application is hosted on a Raspberry Pi where the operating system installed is a version of Linux called Raspberry Pi OS.
- More projects can be found at <https://github.com/SALASJA>.

## Work Experience

### Varsity Tutors

REMOTE

INDEPENDENT CONTRACTOR COMPUTER SCIENCE AND DISCRETE MATH TUTOR

Mar. 2019 - PRESENT

- Provided assistance in Computer Science and Discrete Math for over 300 international clients from a variety of demographics on the online tutoring platform: varsitytutors.com.
- Worked in an environment that encouraged ongoing learning. Experienced in a variety of professional environments: Primary and Secondary Education, College, Coding Boot-Camps, and Professional level.
- Educator of Introduction to Computer Science for programming languages Java, C, C++, PHP, Python, JavaScript, Snap, and Scratch. Lectures are done on video calls through the online platform and content is managed on repl.it.
- Assisted in difficult Discrete Math and CS problems, enriched those topics by integrating the two. Practice is sometimes done through codewars.com.
- Understands the common weaknesses in current Computer Science curriculum's and improved student understanding by providing rare to find insight.
- Provided College and Career mentor-ship for students of all ages.

### UNCG Computer Science Department

Greensboro, North Carolina

INTRODUCTION TO COMPUTER SCIENCE (CSC - 130) LAB ASSISTANT

Jan. 2018 - May. 2018

- Assisted CSC-130 students with issues with software and further questions on assignments.
- Proctored lab exams and provided advice for future courses.

## Education

### UNCG (University of North Carolina at Greensboro)

Greensboro, NC

B.S. IN COMPUTER SCIENCE AND MINOR IN BIOLOGY

Aug. 2015 - Dec. 2020

- Got a UNCG Guarantee Scholarship which is given to promising students of families with financial need.

### ForsythTech (Forsyth Technical Community College)

Winston-Salem, NC

ASSOCIATES IN ARTS

Aug. 2011 - May. 2015

- The college was in partnership with Early College of Forsyth, I was working for my Associates while in High School during my enrollment.