

## Software/Mechanical Engineer w/ a Deep Agriculture Background

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Experienced Software/Mechanical Engineer with 5+ years' experience tangential to development work. Praised by peers for learning new technical skills, specifically within software development. Currently mentoring/guiding 4 recent bootcamp grads. As a person who believes in Excellence and being a major contributor to the team, I constantly pursue mastery of full-stack software engineering and data management. I thrive in team-based environment and helping the team solve challenges both internally and with clients.

**Technical**    JavaScript | REST APIs | React | Node.js | Python | ES8 | HTML | CSS | Jest | Express | Git | MongoDB | PostgreSQL

## Education

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**B.S. in Mechanical Engineering** | Florida State University | Tallahassee, FL 2016

- Graduated in **Top 10 in Class** from University's Honors College
- Won **"Most Innovative in Design"** for College of Engineering Senior Design competition

## Software Engineering Roles

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**Lead Developer/Project Manager/Cofounder** 2021-Present  
*PropTerra*

- Mentor and lead team of 4 junior developers for *PropTerra* to create a functional real estate tech demo
- Manage team's tasks through daily standups, servant leadership and Atlassian project management tools
- Administrate clients' Google Workspace portfolios, including mass data migration services and end-user training

**Software Engineer/Data Visualization Consultant** 2020-Present  
*Consultant*

- Build data dashboards in Tableau/Data Studio to read in-room sensors and draw insights in the agriculture industry
- Develop multiple React-based sites for internationally-based creatives & small businesses

## Mechanical Engineering/Technical Consulting Roles

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**Solutions Consultant** 2017-2018  
*OniGroup*

- Consulted directly with C-level executives at bleeding-edge IoT technology firms leveraging Google's cloud ecosystem
- Oversaw change management of Google-centric IT restructuring across top ASX-listed firms throughout ANZ & ASEAN

**Programming & Machine Shop Instructor, Technician** 2014-2016  
*FAMU-FSU College of Engineering*

- Instructed 80+ student classes in C++, MathCAD, MATLAB, and PTC Creo Parametric
- Oversaw student mechatronics project competition designing robotics and sensor controls on embedded systems

**Superconductor Research Engineer** 2014-2016  
*Energy 2 Power Company*

- Design/ fabricate HTS (high temp superconductor) testing equipment with additive manufacturing & custom machining
- Program microcontrollers to speak with test units inside harsh (vacuum and near absolute zero) temperatures
- Write/edit research grant proposals for NASA/Dep. of Energy/Dep. of Defense

## Software Engineering Portfolio

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**Picodia** | React, MUI, Sheets API, Jest, react-cookie | <https://www.picodia.app>

Wordle-like math puzzle game based on Hanjie puzzles. There is a new one every day, check it out!

**ParPo** | React, GCP, Firebase | <https://parpo.netlify.app/>

A real estate tech demo that garnered seed round funding to continue building out in Q1/2 2022. Just login with Google!