

# Ryan Pals

[ryanipals@gmail.com](mailto:ryanipals@gmail.com)

<https://rjpals.github.io>

<https://www.linkedin.com/in/rjpals>

(319) 930-2308

## EXPERIENCE

### Zesty.io

*Frontend Developer 2*

**Remote, USA**

*Mar 2022 - Feb 2023*

- Created metrics reporting dashboard to improve user's billing understandability
- Converted application from legacy SASS based design system to CSS-in-JS base Material UI
- Led implementation of incremental TypeScript adoption plan
- Redesigned several user experiences including digital asset manager, global search experience, and navigation.

### Hobu, Inc

*Software Engineer*

**Iowa City, IA**

*Feb 2019 - Mar 2022*

- Rewrote OpenLayers & React based GIS application for National Geospatial-Intelligence Administration
- Submitted shader improvements to Potree (open source 3D GIS web renderer)
- Submitted new modules to PDAL open source point cloud processing software allowing for reading/writing of OBJ point cloud files
- Built out 3D rendering application to assist in the researching of glacier movements (helheim.lidar.io)

*Software Engineering Intern*

*May 2018 - Aug. 2018*

- Utilized Amazon Web Services technologies to create a cloud application that allows user-friendly utilization of existing company maintained open-source data processing software
- Contributed to GitHub documentation of open-source point-cloud data processing workflow
- Reviewed code changes and incorporated peer feedback as part of company code review process

## SKILLS

### Languages

TypeScript/JavaScript, Python, Bash, C/C++

### Software/Technologies

React, Redux, WebGL/ThreeJS, OpenLayers, GNU/Linux, vim, Docker, Node.js/Express, Django

## EDUCATION

### Iowa State University

*Bachelor of Science in Computer Engineering*

**Ames, IA**

*Aug. 2015 - Dec. 2018*

- Final Cumulative GPA 3.35, Junior/Senior GPA 3.72
- Supplemental Focus Area in Cyber Security
- Awards and Scholarships:
  - College of Engineering Dean's List Fall 2017, Spring & Fall 2018
  - Award for Competitive Excellence
  - Cardinal Leadership Scholar Award
  - College of Engineering Scholarship (Boeing Company Award)