

Experience

- Jun. 2018 - Present **Project Associate - GIS & Accessibility**
MIG | Berkeley, CA
- Increased accuracy and efficiency in development of large geospatial datasets by establishing comprehensive quality control and analysis procedures, including writing Python scripts and tools
 - Designed informative dashboards and mobile data collection applications for data implementation through the ArcGIS graphic user interface
 - Advanced company accessibility initiatives by preparing resources and trainings on digital document accessibility and the Web Content Accessibility Guidelines (WCAG)
 - Balanced a diverse set of simultaneous projects across the firm, providing geospatial and analytical insights, attractive and informative data visualizations, and cartographic renderings
- Mar. 2017 - Apr. 2018 **Lab Technician II**
Korbel Champagne Cellars | Guerneville, CA
- Conducted extensive chemical analysis, precise distillations, and blending calculations on wine and brandy
 - Tracked and analyzed fermentation information using Tanknet winery data management software
 - Developed standard operating procedures for new laboratory techniques
 - Consolidated laboratory inventory and supply processes through restructuring chemical and equipment storage systems
- Aug. 2016 - Dec. 2016 **Lab Technician - Harvest**
Simi Winery | Healdsburg, CA
- Performed daily analysis on hundreds of fermenting tanks and barrels
 - Completed detailed chemical analyses on wine throughout entire lifecycle
- Nov. 2015 - May. 2016 **GIS Infrastructure and Mapping Intern**
Finger Lakes Institute | Geneva, NY
- Created comprehensive sustainability and infrastructure maps
 - Utilized GPS collection and digitization methods to build spatial data sets
 - Modeled local urban development and revitalization patterns
 - Developed and executed an independent project involving comprehensive terrain and soil analysis of vineyards

Projects

- JavaScript **React Component Graph** | React
Visualization of earthquake data in North America from the USGS Earthquake Catalog API
- Live: <https://react-component-graph.herokuapp.com/>
 - Code: <https://github.com/patrick-ware/react-component-graph>
- Quarantine & Chill** | React, Express, Node, MongoDB
A full stack web app that generates customizable movie and meal pairings
- Live: <https://quarantine-chill.herokuapp.com/>
 - Code: <https://github.com/patrick-ware/quarantine-chill>
- Python **StoryStack** | Django, AWS, SQLite
Save your child's unique artwork and stories and share it with family and friends
- Live: <http://story-stack-1.herokuapp.com/>
 - Code: <https://github.com/patrick-ware/story-stack>

Technical Skills

Languages

JavaScript (ES6), Python, SQL, HTML, CSS

Frameworks

React, Django, Express, Node

Other Tools

Git, Heroku, MongoDB, Redux
Bash

Software

Adobe
Acrobat Pro, Illustrator
ESRI
ArcGIS Pro, Desktop, Online

Spanish

Professional Speaking
and Writing ability

Certifications

Accessibility Inspector/Plans Examiner, International Code Council

Honors and Leadership

Captain | Varsity Rowing Team, Hobart College, Geneva, NY
2015 - 2016

Member | Varsity Rowing Team, Hobart College, Geneva, NY
2012 - 2016

All-Academic Team

2015, 2016

Eagle Scout

Fall 2012

Education

Kickstart Coding 2020
Oakland, CA
16-week software engineering program focusing on full stack JavaScript and Python

Hobart College 2016
Geneva, NY
BA, Environmental Studies
Cum laude
Spanish Minor