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Leadership and Work Experience

GIS Specialist, MIG | Berkeley, CA   June 2018 - Present

- 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, provide geospatial and analytical insights, attractive and informative data visualizations, and cartographic renderings

Lab Technician II, Korbel Champagne Cellars | Guerneville, CA   March 2017 - April 2018

- Conducted extensive chemical analysis, precise distillations, and blending calculations on wine and brandy
- Tracked and analyzed fermentation information using Tanknet, a winery data management software
- Developed standard operating procedures for new laboratory techniques
- Consolidated laboratory inventory processes through restructuring chemical and equipment storage systems

Lab Technician Intern, Simi Winery | Healdsburg, CA   August 2016 - December 2016

- Performed daily analysis on hundreds of fermenting tanks and barrels
- Completed detailed chemical analyses on wine throughout entire lifecycle

GIS Infrastructure and Mapping Intern, Finger Lakes Institute | Geneva, NY   November 2015 - May 2016

- 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

Captain, Varsity Rowing Team, Hobart College | Geneva, NY   2015 - 2016
All-Academic Team, Intercollegiate Rowing Association   Awarded 2015, 2016
Eagle Scout   Awarded 2012

Projects

Quarantine & Chill | React, Express, Node, MongoDB
Full stack web app generating custom movie and meal pairings
- Live: https://quarantine-chill.herokuapp.com/
- Code: https://github.com/patrick-ware/quarantine-chill

Shake Map | React
Interactive map rendering data from USGS Earthquake API
- Live: https://shakemap-react.herokuapp.com/
- Code: https://github.com/patrick-ware/shake-map

StoryStack | Django, AWS, SQLite
Save and share your child's unique artwork and stories
- 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:** ESRI ArcGIS Pro, Desktop 10.8, ArcGIS Online; Adobe Acrobat Pro, XD, Illustrator
- **Certifications:** Accessibility Inspector/Plans Examiner, International Code Council

Education

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

Hobart College | B.A. Environmental Studies *cum laude*, Spanish Minor   2012 - 2016