

MADELINE EMDE

FULL STACK SOFTWARE ENGINEER

INFO



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Central NJ / NYC / Philadelphia

TECHNOLOGIES

Core Competencies:

JavaScript • React • React-Redux • Node • Express • Sequelize • HTML • CSS • ArcGIS • Adobe Creative Suite

Knowledgeable:

Git • React-Native • Webpack • Mocha • Chai • TDD • Jasmine • Mocha • Heroku

KEY ATTRIBUTES



Strong analytical and problem solving skills



Works well in collaborative work environments



Enjoys creative visualization of information and data



Adaptive, quick learner

SKILLS



Project Management



Graphic Design



Event / Conference Planning



Policy and Advocacy

AWARDS

NACIS Student Dynamic Map Competition – Best Interactive Map
The College of New Jersey Dean's List



PROJECTS

July 2019

Tag | Developer

Virtual Graffiti App | [GitHub](#)

- Front-end mobile application where users can sketch, submit, and explore artwork
- Augmented Reality (AR) uses vertical plane detection to 'stick' artwork to wall
- Geo-location used to display nearby artwork that can be viewed in AR
- Team collaborated in agile environment using GitHub project board

Tech Stack: React-Native, ViroReact, GoogleMaps, Sequelize, Express.JS, PostgreSQL, Cloudinary

June 2019

Grace Rings | Developer

E-commerce website selling rings | [Deployed Site](#)

- Single page web application that allowed users to browse products, add products to their cart, checkout, and view their order history
- Implemented persistent cart for both logged in users and guests
- Integrated Google OAuth into login

Tech Stack: React, React-Redux, Sequelize, Express.JS, PostgreSQL, Webpack, Google OAuth

June 2019

Where in the World is Grace Hopper | Sole Developer

Single player game created during weekend Hackathon | [GitHub](#)

- Players navigate through choropleth world map to find Grace Hopper location

Tech Stack: React, React-Redux, Sequelize, Express.JS, PostgreSQL, DataMaps (D3 library)



EMPLOYMENT

2018-2019

Coalition for the Delaware River Watershed, New Jersey Audubon

State Policy Manager

- Launched \$100K grant program to expand organization's reach and advance legislative priorities resulting in approximately 30% increase in membership and doubling of participation in annual federal lobby trip
- Organized Coalition's first state lobby trips and supported grant awardees in producing over 30 communication pieces (blog posts, video series, published op-eds)
- Advocacy efforts resulted in first-ever federal funding for new conservation program
- Managed staff including direct reports (Project Coordinator and interns)

2014-2017

Conservation Associate

- Coordinated successful advocacy campaign that led to the passage of federal legislation
- Led event planning for annual conference (over 250 participants) by convening planning committee, developing agenda, promoting, and recruiting event sponsors
- Managed communications including biweekly newsletter, press releases, website maintenance, advocacy alert system, and social media

2013

Wisconsin Department of Endangered Resources, Bureau of Endangered Resources

Interim Budget Manager

- Managed approximately \$2 million program budget and coordinated applications for federal and private conservation grants

2011-2013

Program Assistant/Fiscal Specialist

- Coordinated statewide Endangered/Threatened species permits and managed database
- Managed Bureau finances including invoices, payments, deposits, and record keeping



EDUCATION

2019

Grace Hopper Program at Fullstack Academy

2012

University of Wisconsin, Madison, WI

M.S. in Water Resources Management, Nelson Institute for Environmental Studies

2010

The College of New Jersey, Ewing, NJ

B.A. in Political Science and Sociology