

Michelle A. Hettinger

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TECHNICAL SKILLS

React/Redux/Webpack/Babel, Node.js/es6/2015, React-Native/Exponent, ASP.NET MVC, PHP/Laravel/Composer, SASS/CSS, Bootstrap/Materialize, jQuery, ChartJS, RESTful API consumption, User Authentication (JSONWebToken, Cookies, Firebase), MySQL, NoSQL (Firebase and MongoDB), Git/Github

EDUCATION

University of Central Florida, Coding Bootcamp

Certificate in Full-Stack Web Development

Sanford, FL

Dec 2016

Skills Learned:

- Creating a Front End/User Experience with HTML5, CSS3 and with Bootstrap and Materialize
- Programming dynamic content with JavaScript, JQuery and libraries like MomentJS or ChartJS
- Making REST API calls in JQuery and Node-Express
- Creating web server to handle routing with Node.js and Node-Express
- CRUD operations with MySQL and MongoDB
- Setting up an MVC structure with Node, Express, Handlebars and MySQL
- Working in teams and being able to communicating between Front-End and Back-End
- Building web and mobile apps with the React.js, React-Native and Firebase

University of Central Florida

Bachelors of Science, Chemistry

GPA: 3.7/4.0

Orlando, FL

May 2015

EXPERIENCE

Grata Software

Jr. Front-End Developer

Orlando, FL

March 2017

Grata Software is a small consulting start-up that helps businesses grow by developing custom automation software. During my time at Grata Software, I performed the following tasks:

- Maintained front-end for three web applications with React/Redux, ASP.NET MVC, and PHP/Laravel.
- Learned ASP.NET MVC, Visual Studio and SASS.
- Received tasks through Jira and recorded the time taken to complete individual tasks.
- Created mock-ups of front-end work to be completed.

Private Tutor

Transcriptionist, Editor and Tutor

Orlando, FL

Oct 2013 – Aug 2016

The Renaissance of Science is a three-volume comprehensive historical retelling of the development of the sciences through the ages, written by an accomplished and retired Agricultural Chemistry Professor and Researcher, Dr. Albert Martini. I became his right-hand in getting his hand-written work typed, edited, published and made available for free online.

- Transcribed/typed three science history books (now published) as dictated to me by the author.
- Edited grammatical errors and consulted on modern chemistry.
- Taught how to use MS word on a Mac and research topics on Wikipedia.

University of Central Florida, Department of Chemistry

Chemistry Research Assistant

Orlando, FL

Jan 2012 – Jun 2015

Performed independent research in two chemistry research groups while obtaining my B.Sc. Chemistry at UCF. Tasks, duties and accomplishments as follows:

- Completed advanced projects in chemistry to attain fundamental understanding of chemical processes.
 - Performed heavy data analysis with the use of excel and specialized chemistry software.
 - Kept a detailed notebook and communicated research progress via monthly power point presentations.
 - Trained undergraduate(s) to perform duties and responsibilities such as proper notebook keeping, performing chemical techniques, operating chemistry instruments and performing time dependent experiments.
 - Applied for and received a grant from the Summer Undergraduate Research Fellowship, worth \$1000.
 - My contributions were included and accredited in two peer reviewed papers that were published in 2014-2016.
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COLLABORATIVE APPLICATIONS AND PASSION PROJECTS

Molecular Weight Calculator (Orlando, FL)

Nov 2016 - Present

Full Stack and Mobile Developer

An intuitive and fun front-end facing app used for calculating the molecular weights of chemical compounds. This passion project of mine has both web and mobile versions.

- Utilized React for DOM manipulation and backend logic.
- Implemented user authentication and NoSQL backend with Firebase.
- Developed for Android with React Native.
- Hosted: react-molecular-weight.herokuapp.com | github.com/MichelleHettinger/MobileMolecularWeight

Gift Buddy (Orlando, FL)

Nov 2016

Back End Developer

A web app that allows users to group up with their friends and family during the holidays to anonymously exchange gifts ala Secret Santa.

- Utilized Node.js and Express JS to handle routing and serve out views.
- Built custom ORM to perform post, get and update queries from MySQL.
- Accomplished user authentication and user sessions with the use of JSONWebToken and Cookies respectively.
- Hosted: bootcamp-giftbuddy.herokuapp.com | github.com/hedbladucf/GiftBuddy

Danger Zone (Orlando, FL)

Sep 2016

Front End Developer

Danger Zone is designed to alert travelers of potential disease outbreaks waiting for them at their desired destination. Traveler inputs a destination and selects a disease from the dropdown menu to pull graphical information on outbreaks in that country.

- Designed the layout with HTML, CSS and Materialize.
- Utilized ChartJS to dynamically graph data retrieved by the World Health Organization API.
- Hosted: frozen-earth-51098.herokuapp.com | github.com/thomaszhang718/DangerZone

Eat-da-Burger (Orlando, FL)

Sep 2016

Full Stack Developer

A silly app where the users can create and eat their own burgers!

- MVC with Node-Express and Handlebars.
- Custom ORM to create, read and update user input to a MySQL database.
- Hosted: obscure-lowlands-65174.herokuapp.com/burgers | github.com/MichelleHettinger/Eat-Da-Burger

LIRI (Orlando, FL)

Aug 2016

Back End developer

Command line Node.js app that returns tweets, song information or movie information.

- JavaScript to handle user input and output.
- RESTful API with AJAX to retrieve data from Spotify, Twitter and OMDb.
- App logs user commands
- github.com/MichelleHettinger/Node-and-API

ACADEMIC AWARDS

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| • Summer Undergraduate Research Fellowship | May 2012 |
| • Florida Pell Grant | 2009 - 2014 |
| • Florida Bright Futures Scholarship | 2007 - 2014 |

CHEMISTRY PUBLICATIONS

Logan, M. W.; Lau, Y. A.; Zheng, Y.; Hall, E. A.; Hettinger, M. A.; Marks, R. P.; Hosler, M. L.; Rossi, F. M.; Yuan Yu.; Uribe-Romo, F., Heterogeneous Photoredox Synthesis of N-hydroxy-oxazolidinones Catalysed by Metal-Organic Frameworks. *Catalysis Science & Technology* **2016**.

Clukay, C. J.; Grabill, C. N.; Hettinger, M. A.; Dutta, A.; Freppon, D. J.; Robledo, A.; Heinrich, H.; Bhattacharya, A.; Kuebler, S. M., Controlling formation of gold nanoparticles generated in situ at a polymeric surface. *Applied Surface Science* **2014**, 292, 128-136.
