

# CLARK ZINZOW

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## EDUCATION

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**University of Wisconsin, Madison**

*(expected) December 2015*

B.S. in Mathematics & Computer Science (in progress)

Member of the UW Math Club, the Hub, the UPL, and the

Collegiate Entrepreneurs' Organization - UW-Madison Chapter

## PROJECTS

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### Mathematics

**Modified Nim Game research**

Under the direction of Jordan Ellenberg. (hiatus)

**$L_p$  Tic-Tac-Toe research**

Under the direction of Jordan Ellenberg. (hiatus)

**Planted Clique research**

Under the direction of Jordan Ellenberg. (hiatus)

**Molecule reconstruction research**

Under the direction of Jordan Ellenberg. (hiatus)

**PDE/Analysis research**

Coming soon! (Summer/Fall 2015)

### Computer Science

**C++ Algorithms library**

Creating library of conventional and advanced algorithms implemented in C++. (in progress)

**Project Euler**

Compiling solutions to Project Euler problems.

**The Art of Computer Programming**

Working through the 4 volumes. (in progress)

**Algorithm Analysis research**

Independent research. (in progress)

**Artificial Intelligence research**

Independent research. (in progress)

### Entrepreneurship

**Flexy**

Fitness-oriented social network, with native smartphone meet-up app. (in progress)

**MeetSnap**

Contact information sharing app. (in progress)

**ExploreWho**

Company geared towards connecting students with their interests/professionals with their field of interests in the form of job shadowing experiences. Encourages peer-to-peer and student-to-professional connections through social network functionality and user-supplied content. (hiatus)

## EXTERNAL LINKS

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**Personal Website**

[clarkzinzow.me](http://clarkzinzow.me)

**GitHub**

<http://github.com/ClarkZinzow>

**LinkedIn**

[www.linkedin.com/in/clarkzinzow/](http://www.linkedin.com/in/clarkzinzow/)

**ExploreWho**

[www.explorewho.com](http://www.explorewho.com)

**Professional Blog**

Coming soon!

## EXPERIENCE

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### **100State/100Health**

*Software Engineer/Web Developer*

July 2014 - Present

*Madison, WI*

- Worked on software/web development projects focused on improving healthcare and helping the Madison community.
- Learned how to use agile software development frameworks for managing product development.
- Gained valuable experience developing with JavaScript and many JavaScript frameworks.
- Created applications using new technologies, such as the MEAN stack.
- Learned many modern development practices from former Epic software engineers.

### **Benefit Concepts Inc.**

*Technology Consultant/Web Developer*

January 2014 - Present

*Whitewater, WI*

- Provided consultation on HR/payroll software systems, cloud services, and computer security.
- Researched HR/payroll software for inclusion in company's offerings (in order to compete with Zenefits).
- Researched and set up viable cloud services solutions for the company.
- Set up and maintained company's encrypted e-mail system via Microsoft Azure RMS.
- Recently started working on a new website for the company. (in progress, not deployed)

### **Northwestern Mutual Life Insurance Company**

*Technology Consultant/IT Support/Administrative Assistant*

December 2014 - May 2015

*Milwaukee, WI*

- Provided consultation on enterprise software, cloud services, and computer security for financial advisor.
- Provided general IT support.
- Compiled information packets for prospective clients and took care of document format conversions.
- Learned how to work remotely without sacrificing efficiency or lessening the scope of my contributions.
- Learned how to make software and cloud services compliant with strict company-defined security standards.

### **Division of Information Technology at UW-Madison**

*Web Developer*

June 2014 - September 2014

*Madison, WI*

- Performed web development contract work for a variety of UW-Madison departments.
- Created websites, WordPress plugins and themes, and provided general website maintenance.
- Extensive experience developing using WAMP/MAMP stack and programming in PHP, JavaScript, jQuery, SQL, and a variety of PHP/JavaScript frameworks.
- Learned how to complete a project efficiently via test-driven development, source control, issue tracking, and good programming practices, and how to work within a team of developers.
- Learned the proper practices for developing code on a local development instance, transferring the code to a development server once local tests succeeded, and eventually transferring to the production server once the live version of the product is available.

### **UW-Madison Office of Human Resources**

*Payroll Services/Foreign National Processing*

June 2013 - August 2013

*Madison, WI*

- Processed missed payroll requests and foreign nationals' tax forms.
- Researched and dealt with complex non-resident alien tax compliance issues.
- Learned how to use several large software systems, namely Oracle PeopleSoft Human Capital Management, UW-Madison's Human Resource System and Arctic International's Glacier Non-Resident Alien Tax Compliance System.