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## John McConnell

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### Education:

College of Engineering at University of Illinois, Urbana-Champaign

Master of Computer Science, 3.83/4.00

2015 - 2017

B.S of Computer Science, 3.48/4.00

2010 - 2014

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### Engineering Experience

#### Enova Financial

Chicago, IL

Software Engineer

2014 - Present

- Heavily focused on XP practices and TDD using the Rails Prime stack and contributing as a team member to various projects.
- My responsibilities and challenges include areas such as parallel processing and performance optimizations.

#### PavlouSalesTaxPro

Deerfield, IL

Software Consultant

2012 – 2013

- I grew a keen awareness for good design patterns and key framework roles when working on a Java based server for SalesTaxPro. The stack includes MySQL, Hibernate, JBoss, Tomcat, and Spring.
- I developed core engineering principals when working on the C# client, the .NET customer portal server, and the SQL database

### Hosted Applications

Self-Engineered Projects

- Various ruby gems and Heroku applications.
- I wrote a blog and a scaffolding program to create JavaScript/Java models and Java controllers. It uses Google App Engine and Ember JS.
- I grew my knowledge of D3 JS by making (fluidgrapher.appspot.com and d3colorwheel.appspot.com)

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### Notable Projects/Computing Interests

#### Stockit

Chicago, IL

Team Member

2014

- Created a machine-learning algorithm that uses a news document clustering to forecast daily stock price changes.

#### Ask Snoo

Champaign, IL

Team Member

2014

- This project primarily focused on being a complete text information system that checks the validity of sentences.

#### Image Analyzer

Champaign, IL

Team Member

2014

- The project focused primarily on scrapping credit card images from the web and retrieving the plain-text numbers from them.

#### Quant Trader

Champaign, IL

Team Member

2014

- Created a machine-learning trader using a D3 decision tree to forecast stock prices.

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### Additional Information:

**Github:** <https://github.com/johnmcconnell>

**Software Languages:** Ruby, Java, Scala, and Go.

**Academic Experience:** Machine Learning, Artificial Intelligence, Object Oriented Design, Fundamental Algorithms, Computer Security, System Programming, and Computer Architecture