James Clemer

PRESENT ADDRESS
636 Church Street
Evanston Illinois, 60201
apt. 901

CONTACT
(713)540-6960
https://github.com/jcc333
clemer19@gmail.com

Objective

to leverage the skills I've learned in university and in high-frequency trading in order to solve complex problems.

Skills

- Functional Languages: Racket/PLT Scheme, F#, Haskell, Common LISP, Scala
- Object-Oriented Languages: C#, Java, Python, Ruby
- Other Languages: go, Prolog, C

Education

Northwestern University, Evanston Illinois
Bachelor of Arts, Computer Science and Philosophy, June 2014
G.P.A. 3.5/4.0

Experience

Key Coursework: Programming Languages, Natural Language Processing, Theory of Computation, Philosopl

Development Intern	IMC Financial Markets	Summer 2013
	Chicago, Illinois	

Implemented RESTful components configurations API, gradually integrated into existing system alongside new client driver to persist rapidly-growing data, improving upon performance and extensibility. Implemented full autotrader for a limited portfolio of tech stocks.

Apprentice Developer	GOOD inc	Summer 2012
	Los Angeles, California	

Codeveloped media-browsing iOS application for GOOD's recurring "30 Days of GOOD" challenge. Used existing ruby(Rails) framework to develop supporting API, overcoming unstandardized article format.

Personal Projects

- **Hopeless** is a Nintendo-hard 3D stealth game.
- **Frog Pond:** a programming language designed in NU's TIDAL lab to help children learn basic concepts of programming. The twist is that the code blocks are physical puzzle pieces with embedded microprocessors.
- **Lambdas and Logical Forcing:** a thesis which examines the potential for the λI calculus to resolve independent problems in ZFC.
- **Knut:** an investigation into the efficacy of Recursive Least Squares and Haskell as a guide to speculation on exchange rates.

Extracarricular Activities

- Northwestern Boxing IT Chair
- Participant on over 15 student theater production casts and crews
- Marathoner
- AMC Chapter Vice President
- Undergraduate Philosophy Society President
- Classical Guitarist with 13 years of experience