James Clemer

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Objective

to leverage the skills I've learned in university and in high-frequency trading to build things that affect people.

Skills

- Fluent in: Racket/PLT Scheme, C#, Java, Haskell, Common LISP
- Conversational in: Erlang, F#, go, objective C, Prolog, Python, Ruby, Scala

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, Philosophy of Math, Theory of Computation.

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.

Projects

- **Meta** is the Northwestern Intro-to-programming language (essentially a scheme built on .NET), and relies on XNA. I'm working with Ian Horswill on porting Meta to use the Mono compiler to interface with the Unity Engine and to achieve cross-platform goals.
- **Hopeless** is a Nintendo-hard 3D stealth game.
- **Frog Pond:** an educational programming language designed in NU's TIDAL lab to help children learn basic concepts of programming.
- **Set Theories and the Continuum Hypothesis:** a thesis which examines the requirements for set theories which resolve independent problems in ZFC

Extracarricular Activities

- Northwestern Boxing
- Participant on 15 student theater production casts and crews
- Marathoner
- Undergraduate Philosophy Society President
- Classical Guitarist, 13 years of experience