TREY HUFFINE

View my portfolio: treyhuffine.com

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Our world is built on code, and through programming I can influence it and make it a better place in my own unique way

DEVELOPMENT SKILLS

Full Stack Development	JavaScript	AngularJS
MEAN Stack	jQuery	React
Ruby on Rails	MongoDB	HTML/CSS
Firebase	MATLAB	C++

EDUCATION

University of California, Berkeley - Haas School of Business **Mar 2014 – Mar 2015**

Master of Financial Engineering

Academic Projects:

In collaboration with BlackRock San Francisco and a team of 4 students: Modeling the Empirical Exposure of Agency MBS to the Term Structure of Interest Rates

In collaboration with Buttercoin: Application of the Hawkes Process to Bitcoin Trade Arrivals

University of Tennessee, Knoxville **Aug 2008 – May 2013**

Bachelor of Science in Nuclear Engineering with minor in Business Administration

EXPERIENCE

Coding House, Fremont, CA **June 2015 – Aug 2015**

JavaScript Developer Training

- Implemented MEAN stack and JavaScript frameworks to build full stack applications
- Created usable real-world apps both individually and in teams
- Immersed in a junior developer experience and bootstrapped previous technical skills built in engineering

Visolis, Berkeley, CA **Apr 2015 – June 2015**

Technical Consultant

- Worked directly with CEO of a startup sponsored by Lawrence Berkeley National Laboratory to conduct industry research to drive R&D
- Developed valuation tool to calculate historic profitability and a Monte Carlo engine to predict value

Moody's Analytics, San Francisco, CA **Oct 2014 – Jan 2015**

Risk Measurement Services Intern

- Conducted stress test on bank portfolios using econometric modeling and Moody's software
- Worked directly with banks to develop prudent CCAR testing framework
- Researched academic papers and past projects to generate an improved modeling procedures

University of Tennessee, Knoxville, TN **Sept 2012 – May 2013**

Department of Nuclear Engineering Research Assistant for Dr. Arthur Ruggles

- Designed a structure for ultrasound analysis
- Performed thermal hydraulic fluid research on a twin jet system
- Authored a section of the paper that will be submitted for publication at project completion

Oak Ridge National Laboratory, Oak Ridge, TN **June 2012 – Aug 2012**

Materials Science and Technology Research Intern

- Developed methods for stabilizing new carbon fiber precursor materials
- Improved research methods for analyzing pre-impregnated carbon fiber tack

CERTIFICATIONS, HONORS, and INDEPENDENT PROJECTS

Passed Level 1 CFA Examination **Dec. 2013**

Nuclear Engineering Design Project (1st prize selection) **Jan 2013 – May 2013**

Baker Scholar/Full-Service School Co-Founder **Jan 2009 – Aug 2011**