

Zack Coburn

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Education **Franklin W. Olin College of Engineering** August 2006 – May 2010
Graduating in 2010 with a B.S. in Electrical and Computer Engineering.
Awarded full-tuition merit scholarship. GPA: 3.7. Major GPA: 3.8.
Relevant coursework: Microeconomics, Macroeconomics, Financial Modeling, Probability Models for Investment, Game Theory, Artificial Intelligence.

Hong Kong Polytechnic University January 2009 – May 2009

Relevant Projects **Trading Olympiad** Spring 2009

- Developed an options-trading algorithm and interfaced it with the Interactive Brokers platform API. Profited and placed 48th in the Interactive Brokers Collegiate (automated) Trading Olympiad.

Financial Modeling Winter 2008

- Investigated high frequency trading with an artificial neural network.

Artificial Intelligence Spring 2007

- Developed a framework for a Texas Hold'em poker bot competition and created the best bot.

Skills OCaml, Erlang, MATLAB, Excel VBA, Java, Python, C, NVIDIA CUDA, etc.

Entrepreneurship **Penny Spider** June 2009 – August 2009

- Built and launched a statistical analysis product for penny auctions, then grew the product to profitability.

Subvert and Profit March 2007 – August 2009

- Co-founded, built, and launched a market for votes on social media sites that was featured on TechCrunch and Wired, then helped to grow the company to profitability.

Work Experience **Manager, Senior Consulting Program in Engineering** September 2009 – May 2010

- Developing a new systems architecture for IBM Research with four Olin students and IBM Fellow Alex Morrow. Business Manager in first semester, Project manager in second.

Special Ops Assistant to the CEO, Rapleaf, San Francisco CA Summer 2008

- Built a Salesforce application. Created and optimized a system for visitor tracking using Erlang and Ruby on Rails.

Participant, Google Summer of Code Summer 2007

- Built EfficientRails, an application that helps identify inefficiencies in Rails applications (mentored by Ruby Central, Inc.).

Awards

- Babson Alumni Association Student Business of the Year Award – Finalist (2007)
- Siemens Competition – Semifinalist for "Sequences in the Collatz problem" (2005)