

Samuel Balinghasay

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EDUCATION

Massachusetts Institute of Technology

September 2009 – February 2013

Bachelor of Science in Mathematics with Computer Science, February 2013

GPA: 4.3 / 5.0

Relevant Coursework:

*Automata, Computation, and Complexity | Artificial Intelligence
Design and Analysis of Algorithms | Mobile Application Development | Software Development*

SKILLS

- Proficient in Ruby on Rails, SQL, HTML/CSS/SASS, JavaScript, jQuery, Git version control
- Familiar with Python, MATLAB, Java, Adobe Creative Suite (Photoshop, Illustrator)

RECENT PROJECTS

Choicer

September 2013

<http://www.choicer.cc/>

- Live polling web application, built in Backbone.js on top of a Ruby on Rails API layer
- Asynchronously fetches poll results in real time through publisher/subscriber interactions
- Multiple types of data visualizations, rendered on a mobile-friendly responsive user interface

Github Gist Clone

August 2013

<http://www.github.com/samuelpmb/gist>

- Github Gist clone, built in Backbone.js on top of a Ruby on Rails API layer
- Features include tagging and dynamic favoriting of gist files and text snippets

EXPERIENCE

Susquehanna International Group

Bala Cynwyd, PA

Assistant Trader Intern – Equity Options Desk

June 2012 – August 2012

- Analyzed correlations in volatility among equities through various programming projects
- Created flexible spreadsheet tools to provide options traders with relevant statistical data

MIT - 6.01, 6.02 (Introduction to EECS I, II)

Cambridge, MA

Lab Assistant

September 2010 – May 2011

- Assisted teaching staff in preparations for lab sessions
- Helped students with concepts including error correction, encoding schemes

MIT Media Lab – Hyperinstruments Group

Cambridge, MA

Undergraduate Researcher

June 2010 – September 2010

- Developed original C++ applications for auditory diagnostics of Alzheimer's patients
- Streamed hand gestures/movements to 3D visuals, location-based audio using OpenGL, OSC

LEADERSHIP

MIT Filipino Students Association

January 2010 – January 2012

President (2010), Vice President/Treasurer (2011), External Liaison (2012)

- Coordinated several events each term, (e.g. Filipino Mass and lunch, ~150 in attendance)
- Responsible for securing and allocating budget of \$3000-4000 per year