

## **Damon A. Doucet**

*School: 410 Memorial Dr, Cambridge, MA 02139-4130*

*Permanent: 440 Corby Dr, Baton Rouge, LA 70810-4505*

*ddoucet@mit.edu – <https://github.com/damondoucet> – <http://damondoucet.net/>*

### **Academia**

Pursuing S.B. in Computer Science at MIT (projected graduation 2016)

Graduated Baton Rouge Magnet High School in 2012, 4.31/4.0 GPA

### **Professional Experience**

*Dropbox* – Carousel Software Developer Intern, Summer 2014

Dealt with highly concurrent C++ as shared code for Android and iOS

Rearchitected thumbnail prefetcher to download larger thumbs for larger UI images

Created system for separate modules to request thumbnails to be prefetched

Designed eviction policy for thumbnail cache

*Khan Academy* – Growth Software Developer Intern, Summer 2013

Quality of life improvements to badges, including sending emails when earned

Emails for questions/answers on videos/programs to bring users back to the site

Hackathon Project called MathRacer (Head-to-head [Typeracer](#) for math problems)

*Louisiana Mu Alpha Theta* (<http://lamao.org>) – Contractor, Summer 2012

Completely redesigned and recreated the website

Allows school sponsors to register students for math convention

Provides administrators ability to run convention (generate name tags, reports, etc)

### **Awards**

*USA Computing Olympiad*

April 2010, 13<sup>th</sup> place USA; January 2011, 6<sup>th</sup> place USA; 2010 Finalist

*National Mu Alpha Theta*

July 2011, 4<sup>th</sup> place Calculus Gemini; July 2012, 7<sup>th</sup> place Mystery Test

### **Personal Programming**

*Colosseum* – Xbox 360 2D 1v1 Platformer video game (<http://youtu.be/8JP3MDYp2rc>)

*Kinect App* – particles form any string, follow user's hands via Kinect (<http://youtu.be/beqNuHJg0Xs>)

*ChatStats* – downloads all Google Talk chatting history and generates PDF reports

### **Teaching**

Fall 2014 – Teaching Assistant for 6.172 (Performance Engineering). Mentored at PennApps X

Spring 2014 – Tutored 6.00, 6.005, 6.006 for a total of 6 hours per week (HKN Tutoring)

Winter 2014 – Mentored at Blueprint (MIT's High School Hackathon)

November 2012, 2013 – Taught 2-hour classes on hacking Windows games using Assembly

January 2013 – Teaching Assistant for 6.S096 (Introduction to C/C++)