

Michael Barnathan

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If you had to stick a label on me, you'd probably use either "software developer" or "theoretical computer scientist". And I am both of these things - I've written a lot of software and published quite a few papers. But I'm also much more than that: I lead. I teach (data structures and algorithms for a university and web design independently). I compose. I play the piano. I write poetry. I build circuits (crazy things that "predict the future" using machine learning on embedded microcontrollers). I take photos. I research medicine, psychology, and mathematics on my own time. I've formally stated my personal philosophy.

For one of the richest rewards of an intellectual lifestyle in this day and age is the sheer breadth of information that is available; a richer tapestry than ever any artisan wove. And not only is this breadth of knowledge gratifying, but it is also empowering, for this tapestry is vastly interconnected.

Our system of education is not properly equipped to impart this breadth, however. And for that reason, I have made it among my life goals to institute a school that does. See <http://www.projectpolymath.org>.

I'm also heavily involved in medicine through my medical diagnostics startup, **Living Discoveries**. Artificially intelligent diagnostics! Saving lives is the other half of maximizing human potential.

WORK EXPERIENCE

New York, NY, USA

Sep 2010 – Present

Google

Software Engineer

New York, NY, USA

Dec 2009 – Jul 2010

Media6Degrees

Data Scientist

West Long Branch, NJ,
USA

Sep 2008 – May 2009

Monmouth University

Adjunct Professor of Computer Science

Taught CS305 and CS503, undergraduate and graduate Data Structures and Algorithms.

EDUCATION

Philadelphia, PA, USA

Aug 2006 – May 2010

Temple University

Ph. D. in Computer and Information Sciences

Primarily in machine learning applied to biomedical imaging.

Philadelphia, PA, USA

Aug 2006 – Aug 2007

Temple University

MS in Computer and Information Sciences

West Long Branch, NJ,
USA

Sep 2002 – May 2006

Monmouth University

BS in Computer Science, Mathematics minor

\$5000 award for graduating with the highest GPA in the class of 2006, Summa Cum Laude, honor societies, ACM President, etc. etc.

LANGUAGES

English (Native), **Spanish** (Conversational)

SKILLS

Photography, Web Development, Music Composition, Teaching, Piano, Poetry, Entrepreneur, System Administration, Computer Programming, Machine Learning, Medicine