

Zach Taylor

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EDUCATION **New York University**, M.P.S. in Interactive Telecommunications, 2010

Rapid prototyping, creative electronics, and new media studies.

Thesis project – a mobile application and website to make everyday habits easy to analyze.

Harvard University, A.B. in Engineering, 2005

Studies combined electrical and mechanical engineering with a focus on design and fabrication.

EXPERIENCE **Technical Consultant**, Prohaska Consulting, 2016 – Present

Improved client site performance and monetization campaigns through analysis and implementation of modern ad-tech solutions.

Freelance Software Engineer, Toptal, 2017 – Present

Tech Lead, Hyperstat, 2015 – 2016

Designed and built tools to create dynamic embeddable data visualizations.

Senior Software Engineer, Placemeter, 2014 – 2015

Developed dashboard and data visualization tools, built and maintained AWS infrastructure for high-performance data and streaming systems, employed web analytics, and managed interns.

Chief Technology Officer, Plethora Mobile, 2012 – 2014

Led development of high-performance, cloud-based real-time bidding software and front-end campaign management tools, as well as leading partner integrations.

Digital Creatologist, mcgarrybowen LABS, 2011 – 2012

Developed projects and prototypes based on unusual uses of new technology.

Project Manager & Instructor, Harvard Square Academy, 2008 – 2008

Developed and taught courses in Physics, Math, Critical Reading, and English as a foreign language.

Travel Abroad, 2006 – 2008

Explored different cultures and improved foreign language skills through self-directed travel.

Research Assistant, Harvard University, 2005

Prepared and conducted experiments related to 3d imaging.

Course Assistant, Harvard University, 2004

Taught weekly sections for Math S-152, “The Mathematics of Symmetry.”

SOFTWARE & FABRICATION SKILLS

Familiar with many programming languages and design tools including C, Python, Arduino, HTML5, Javascript, AJAX, CSS3, PHP, Tornado, Django, Redis, Cassandra, MongoDB, MySQL, Java, Processing, Android, Photoshop, Illustrator, InDesign, SolidWorks, Eagle, and MATLAB.

Proficient with laser cutters, waterjets, fused deposition and plaster 3d printers, vinyl cutters, injection presses, CNC milling machines, manual milling machines, metal lathes, vacuum formers, and other shop equipment. Able to design and build microcontroller circuits using multiple methods.