ANTHONY W. BAKER

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EDUCATION

Harvard Graduate School of Education, Cambridge, MA   May 2016
> Ed.M. Technology, Innovation, and Education

Lafayette College, Easton, PA   May 2015
> A.B. English, A.B. Computer Science

Phillips Exeter Academy, Exeter, NH   June 2011

PROFESSIONAL EXPERIENCE

Authess / Intern
South Boston, MA, February 2016 – Present

- Conducted a literature review, collected data to train a machine learning algorithm, and designed a functional element to incorporate into the Authess platform. Developed, tested, and gathered data on the functional element. Gained professional experience in product management and web development. Worked with the CEO and product team to manage the product roadmap and prepare the product for launch. Authess is a startup that is developing mobile and online authentic assessments.

HarvardX / Project Manager
Cambridge, MA, December 2015 – Present

- Produced content for a Massive Open Online Course (MOOC) teaching data analysis with the Python programming language. Worked alongside Harvard faculty to identify and organize complex computer science concepts, edited raw footage screencasts to enhance viewer experience and emphasize coding techniques. Built the course on the edX platform and worked with cross-functional teams to create assessments for students.

Harvard Business School / Graduate Academic Technologist
Allston, MA, September 2015 – Present

- Worked with graphic designers to turn mockups into functional and clean webpages, wrote scripts to safely and efficiently migrate terabytes of video assets, developed new web apps to incorporate third party APIs, evaluated teaching and learning technologies and their ability to meet the Business School's needs, wrote research reports to give faculty a contextual understanding of technological capabilities, tested and developed simulations, provided in-class support for 90 MBA students, and designed an online course to onboard new employees.

Judith's Reading Room / Webmaster & Executive Board Member
Bethlehem, PA, February 2014 – Present

- Designed and built the organization's website focusing on branding, search engine optimization, and usability to expand the group's reach and visibility. Updated and maintained the website, improving site structure, incorporating social media, and editing photos for the site. With site updates and changes, Judith's Reading Room saw huge increase of unsolicited international applications. Counseled the Judith's Reading Room organization as they created strategies for expansion and budget allocation. Judith's Reading Room is a nonprofit that aims to promote literacy by building and shipping custom libraries to organizations around the world that would otherwise have limited access to books.

Lafayette College / Writing Associate, Peer Mentor & Tutor
Easton, PA, August 2012 – May 2015

- Hosted monthly conferences with students to develop composition, editing, and revision skills, introducing and reinforcing writing concepts and strategies. Held drop-in hours and attended weekly staff meetings to discuss research on writing through the lens of education. Worked with professors to assess and analyze student needs, creating a custom approach for each conference focusing on high-level writing concerns such as structure, flow, thesis, and voice. Hosted weekly meetings with first-year students, mentoring them as they adjusted to college life and provided individualized support and advice. Conducted workshops, wrote summary reports for coaching staff, served as a positive role model, and advised students about available resources at Lafayette College.

Clover Creative Group / Copywriter
Meredith, NH, June 2014 – August 2014

- Wrote press releases, taglines and generated web content. Created advertisements in Photoshop designed for social media marketing.

Court Appointed Special Advocates of New Hampshire / Communications Intern
Manchester, NH, June 2014 – August 2014

- Developed a mobile website, streamlined their web presence, overhauled previous web services, and produced videos, slideshows, and posters for various events. Court Appointed Special Advocates is a nonprofit that advocates for abused and neglected children in court.

Lafayette College Information & Technology Services / Technical Writer
Easton, PA, September 2013 – May 2014

- Wrote news updates and user guides that were published on the Lafayette ITS website. Worked closely alongside desktop engineers to create user-friendly and concise documentation for new technological products for students and faculty.

PROJECTS

Email Server & Ambient Display
Cambridge, MA, December 2015

- Wrote scripts to automate an email account and scrape various websites for event information to store in a SQL database on a Raspberry Pi. Users received personalized emails containing information about upcoming events from multiple sources based on their preferences. The Raspberry Pi was mounted on a customized disco ball that visualized the database activity through the reflecting patterns of lights and motion of the disco ball.

Machine Learning Shakespeare Remix
Cambridge, MA, October 2015

- Wrote a machine-learning algorithm to generate text that mimics William Shakespeare. Using Markov chains, the algorithm read in Shakespeare's collected works, then repeatedly calculated and selected the next most likely word. The work was presented in response to Walter Benjamin's "The Work of Art in the Age of Mechanical Reproduction."

Literacy Data Research Tool
Easton, PA, February 2013 – May 2015

- As part of a Digital Humanities initiative, I compiled a dataset of student writing then built a search engine that could execute complex Boolean queries, perform statistical analysis on 20 years of data, and provide several customizable viewing options.

HONORS & AWARDS

- Gilbert Prize in English – Spring 2015
- Recipient of Library Dedication in Lahore, Pakistan – Spring 2015
- Robert Beane '58 Intern Scholar – Summer 2014
- Judith's Reading Room Award of Excellence – Spring 2014
- Dean's List & Academic Honor Roll – Fall & Spring: 2011-2015
- EXCEL Research Scholar – Summer 2013
- Lafayette College Football Varsity Letter (NCAA D1-AA); 2013 Patriot League Champions – Fall: 2012, 2013, 2014

PROGRAMMING LANGUAGES & WEB FRAMEWORKS

Python | HTML | CSS | JavaScript | SQL | C++ | C | Java | LaTeX | Y86 Assembly | PBASIC | Inform7 | JQuery | Django