benjamin **thompson**

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EDUCATION **Computer Science|** Minor: Digital Humanities**|** GPA: 3.3**|** April 2017
Brigham Young University, Provo, Utah 84663

LANGUAGES **2+ years|** Python, PHP, SQL   **1-2 years|** C#, JavaScript, Java, C++

EXPERIENCE **Student Instructor – CS 498r|** Brigham Young University**|** Aug 2016
- Designed syllabus, curriculum, and proposal for Problem Solving and Competitive Programming.
- Obtained approval to teach the course before the CS Undergraduate Committee.
- Taught lessons pertaining to the subject matter. (*Python*)
- Created competitive competitions and projects for the course. (*Python*)

Software Developer Intern| Fireye, Inc | May – July 2016
- Developed new data visualization tools for the Customer Support Team
  - Saved 4+ hours per week per Employee (*Python, PHP, Javascript / jQuery*)

Web Dev/Tech Manager| College of Math. and Physical Sciences BYU, Provo, UT**|** Jan 2016
- Maintained website used by students and faculty. (*Wordpress*)
- Co-designed inbound marketing site to attract perspective students. (*Marketing, SEO, UX*)
- Developed Qualtrics API wrapper. (*PHP, Slim Framework*)
- Managed technical aspect of Marketing team.

Web Developer| BYU Center for Teaching and Learning, Provo, UT**|** Jan 2014 – Jan 2016
- Maintained learning management system, Learning Suite. (*PHP, MySQL, Javascript / jQuery*)
  - Used by 40,000 students and faculty daily
- Optimized editing exams from O(n^2) service calls to O(1) on last project (PHP, Javascript)

Web Engineer Intern| FireEye, State College, Pennsylvania**|** June – Sep 2015
- Replaced web app used by Threat Analytics Platform (Django, PostgreSQL)
  - Used for viewing, migrating, and merging Pull Requests from Bitbucket to Github using APIs and visualizing syslog taxonomy.

ACADEMIA
Advanced Programming Concepts (Java)	Concepts of Prog Lang (Racket, Julia, Haskell)
Algorithm Analysis (C#)	Designing the User Experience (jQuery) Internet
Big Data (Python, Spark)	Programming (C++, Python, ReactJS)
Competitive Programming (Java, Python)	Software Design & Testing (Java)
Computer Systems (Assembly, C)	Web Programming (AngularJS, Express)

CLUBS **BYU Developers – Vice President**
- Arranged partnership with Venture Factory (Product Development Club).
  - Created a Makerspace on BYU campus.
- Organized summer club events, including giving presentations/tutorials.
- Advised and taught startups and club membership.

Association for Computing Machinery - Member

PERSONAL PROJECTS
Developed web app with REST interface for getting parsed data from csv files. (*Flask / Python*)
Developed a cross platform mobile app for Dietitians (*Xamarin / C#*)