

# 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*)

**Customer Support Tools Intern** | Fireeye, 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.

<b>ACADEMIA</b>	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#*)