

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 **Instructor – CS 498r: Problem Solving & Competitive Programming** | BYU, Provo, UT | Aug 2016

- Designed syllabus, curriculum, and proposal.
- 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 | Fireeye, Inc | May – July 2016

- Developed data visualization tools for Customer Support. (*Python, PHP, Javascript / jQuery*)
 - Saved 4+ hours per week per Customer Support Engineer.

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

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. (*Python / Flask*)
Developed a cross platform mobile app for Dietitians (*C# / Xamarin*)