benjamin **thompson**

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EDUCATION

Computer Science| GPA: 3.26**|** April 2017
Brigham Young University, Provo, Utah 84663

LANGUAGES

2+ years' experience| Php, C++, SQL
1-2 years' experience| Python, C#, JavaScript, Java

EXPERIENCE

Web Dev/Tech Manager| College of Math. and Physical Sciences BYU, Provo, UT**|** Jan 2016

Responsible for maintaining several college managed websites used by perspective students, students and faculty within the college (cpms.byu.edu, science.byu.edu)
Work on internal websites and manage technical aspect of Marketing team
PHP, MySQL, JavaScript, HTML, CSS, WordPress

Web Developer| BYU Center for Teaching and Learning, Provo, UT**|** Jan 2014 – Jan 2016

Learning management web application (Learning Suite) for BYU students and faculty.
Used by 40,000 students and faculty daily
PHP, MySQL, JavaScript,
Recent Large Team Projects
- Merged two API's (PHP)
- Created PHPUnit tests for automated exam taking (PHP)
Recent Small and Large Individual Projects
- Optimizing exiting exams $O(n^2)$ service calls to $O(1)$ (PHP, Javascript)
- Improved import and grade functionality for testing center exams (PHP, MySQL)

Web Engineer Intern| FireEye, State College, Pennsylvania**|** June – Sep 2015

Developed a web application for the Threat Analytics Platform parsing team
Django, PostgreSQL
Deliverables:
- Full integration with GitHub and BitBucket API's (Git, PostgreSQL)
  - Applying changes from BitBucket to a similar GitHub repository
- Manipulation and data visualization of internal data and its taxonomy (json, xml)
- Replacement of previous web app (Django)

ACADEMIA

Advanced Programming Concepts (Java)	Java Programming (Java)Software Design &
Algorithm Analysis (C#)	Testing (Java)
Competitive Programming (Java, Python, ..)	Web Programming (AngularJS, Express)
Computer Systems (Assembly and C)	Calculus 1, 2, 4
Designing the User Experience (jQuery)	Elementary Linear Algebra
Internet Programming (C++, Python, ReactJS)	Technical Communication

CLUBS

BYU Developers – VP of Operations
Association for Computing Machinery - Member

PERSONAL PROJECTS

Basic website for parsing .csv file to xml (JavaScript, Node)
Cross platform nutrition mobile app (C#/Xamarin)