# benjamin **thompson**

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**EDUCATION**

**Computer Science|** GPA: 3.24**|** April 2017
Brigham Young University, Provo, Utah 84663

**LANGUAGES**

**1-2 years' experience|** Php, C++, SQL
**6-12 months experience|** Python, C#, JavaScript, Java

**EXPERIENCE**

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

Learning management web application (Learning Suite) for BYU students and faculty.
Used by 40,000 individuals 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
- (PHP)
- 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 PatternDB and its Taxonomy (json, xml)
  - View/modify existing Taxonomy associated with the PatternDB
- Replacement of previous web app (Django)
  - Improved speed and functionality

**ACADEMIA**

| | |
|---|---|
| Advanced Programming Concepts (Java) | Java Programming (Java) |
| Algorithm Analysis (C#) | Ordinary Differential Equations |
| Computer Systems (Assembly and C) | Elementary Linear Algebra |
| Computational and Probabilistic Models | Calculus 1 - 2 |
| Data Structures (C++) | Technical Communication |
| Designing the User Experience (jQuery) | Web Programming (AngularJS) |
| Internet Programming (C++, Python, ReactJS) | |

**CLUBS**

BYU Developers
Association for Computing Machinery

**PERSONAL PROJECTS**

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