



Jacob Brown  
jacobbrown41@  
outlook.com

Salt Lake City, UT

www.jacobbrown.io



\*Coursework Git Repository  
available upon request.

# Jacob Brown

## Student, Software Engineer in Training

I developed a passion for writing software and critically thinking about computing ever since I began creating my own video games and programs as a child. I began studying Computer Science at the University of Utah in the Fall of 2014 and was later accepted into the School of Computing's undergraduate program at the University of Utah.

## Education

**2014 – 2019, University of Utah's School of Computing**

*B.S. in Computer Science | 3.40 GPA*

### Relevant Coursework:

- CS 1410, Object-Oriented Programming
- CS 2420, Algorithms and Data Structures
- CS 3500 / CS 3505, Software Practice I & II
- CS 3810, Computer Organization
- CS 4150, Algorithms
- CS 4400, Computer Systems
- CS 4440, Computer Security
- CS 4480, Computer Networks
- CS 4540, Web Software Architecture
- WRTG 3015, Professional Writing

## Experience

**Aug 2014 - Nov 2016, Program Assistant, University of Utah**

Event preparation. Registration Process. Managed several thousand Salesforce contacts and reports. Continually improved my work performance by automating my tasks.

**Jun 2017 - May 2018, Software Intern, Advanced Projects at Hyland**

Created proof of concept software solutions in a research and development atmosphere. Some of the projects completed during Internship:

- Developed an Ethereum blockchain DApp which stores file hashes on the blockchain via a smart contract, allowing for the user to validate the authenticity of stored files. Devised a non-repudiation document service resist to malicious alteration.
- Created a JavaScript library to web interface with Hyland's Application Enabler.
- Created a RESTful API for calling Hyland's Onbase C# API using ASP.NET Web.
- Created a media exporter to be used in the importation of content from other enterprise content management platforms to Hyland services.

## Software Development Proficiencies

### Software Languages

C#, C++, JavaScript, Java, Ruby, SQL/T-SQL, HTML5/CSS3, XML/XSLT, Lua, PHP, LaTeX

### Frameworks / Libraries

Qt Libraries, JQuery, Node.js, Ruby on Rails, MySQL/SQLite, LINQ, JQuery, RESTful Web Services, .NET Framework, ASP.NET Web API, ReGeX

### Developer Toolkit

Microsoft VS 2015/2017, Eclipse IDE, JetBrains' PHPStorm/CLion, MySQL Workbench, Git, Advanced REST Client, AMPPS, Unity Engine Editor