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## Education

**Provo, UT** **Brigham Young University** **Jan 2011 – Dec 2015**

- **B.S. in Computer Science**, Dec 2015. GPA: 3.46
- **Relevant Coursework:** Data Structures, Operating Systems, Algorithm Analysis, Software Design and Testing, Interactive Graphics, Internet Programming, Computer Communication and Networking, Machine Learning, Parallel Processing, Computer Security

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## Employment

**Software Developer** **Goldman Sachs** **Jan 2016 - Present**

- Architected and implemented platform of microservices that act as middleware to Exchange which allowed automation of critical email processes for the entire firm.
- Designed and built UI of tool suite that improves visibility of Exchange infrastructure health across the firm and reduces support by displaying statistics and best practice violations of individual user mailboxes and load balance across Exchange.
- Saved millions of dollars per quarter by replacing legacy software that automated creation of shared mailboxes on a version of Exchange that ran on an end-of-support version of Windows Server.
- Developed service that fetches 11 performance counters from 197 Exchange servers within 60 seconds to identify unusual behavior in real time and prevent any undesired effects.
- Reduced failure rate of user mailbox delegate creation in the firm from 5.3% to 1.6% by designing and building services to replace end-of-life systems that automated delegate creation.
- Technologies applied Full-stack development, web development using React.js and Redux.js, C#.NET, PowerShell, micro-services built with Java Spring Boot and Node.js in TypeScript, BPMN workflow modeling, Postgres SQL, SVN, Git, Agile

**Back End Software Developer** **BYU Broadcasting** **Aug 2015 – Dec 2015**

- Built back end services for BYU Broadcasting web UIs.
- Technologies applied C#.NET, MS SQL Server, stored procedures, Agile

**Software Developer, Intern** **Goldman Sachs** **May 2015 – Aug 2015**

- Designed and implemented web UI to monitor progress and health of batch jobs by pulling job data from batch processors, determining dependencies, and graphing them.
- Technologies applied Angular.js, d3.js

**Front End Web Developer** **BYU Broadcasting** **Oct 2013 – May 2015**

- Implemented revamped website for BYU Radio.
- Implemented new website for BYU TV International.
- Technologies applied JavaScript, TypeScript, HTML/CSS, Web Components, C#.NET Razor syntax, jQuery, LESS, handlebars.js, Git, Agile

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## Skills

- **Software** {proficient} C#.NET, Java, JavaScript, TypeScript, Git, HTML/CSS {familiar} C, C++, Python, SQL
- **Frameworks** {proficient} ASP.NET Web API, Node.js, React, Redux {familiar} Spring Boot, jQuery, Angular.js 1.x