

# GAGE K. PETERSON

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## Education

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### Brigham Young University–Idaho

Bachelor of Science – **Computer Science** 3.4 GPA

Graduating: **July 2016**

ACM Vice-Chair - Winter 2015 Semester

#### Software Development Projects:

- **SENIOR PROJECT: CogLang** - A programming language interpreter, Written in **OCaml**
- **Sudoku solver** - A Sudoku solver that uses backtracking and arc-consistency. Written in **ELisp**
- **FoodNanny** - A inventory tracking system for restaurants. Written in **Java**
- **FoodNotes** - A web application created with two other students that tracked food allergies. Written in **Java**

## Skills

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JavaScript, React.js, C++, OCaml, Java, Ruby, Python, Elixir, Git

## Job Experience

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### Sterling Medical - Contract Software Developer

January 2016–February 2016

- Improving the build process of a mobile-app written in **JavaScript** using Ionic Framework (**Angular 1** on top of **Cordova**).

### BYU-Idaho - Teacher's Assistant

September–December 2015

- Eased the burden of College Professor by grading and tutoring the subjects of *Data Structures* and *Object Oriented Development C++* assignments
- Improved course material by finding better tutorial videos and articles

### Instructure - Software Engineering Intern

May–September 2015

- Improved reporting by implementing an abstraction over Google Analytics that worked both with **React.js** and **Ember.js** in the single-page application
- Eased the pain of coordinating who was riding on the vanpool by creating an web application that allowed users to easily see if the vans had a driver and who was going. Written in **Elixir**.
- Educated on practical ways to use **Functional Programming** to write more *modular* code and *testable* code by giving two Technical presentations.

### Kyäni - Software Engineering Intern

September–October 2013

- Increased the usability of a customer facing page by rewriting it as an interactive single-page application. Written in **JavaScript**.
- Encouraged a culture of code reviews by holding the first one reviewing my own code

### Butterfly Oils - Software Developer

June–October 2013

- Improved the buying experience of costumers by developing an ecommerce website that allowed users to easily find essential oils by illness and have a streamlined checkout process with PayPal. Written in **PHP** utilizing the **Laravel 4.0** framework.

## Sample Projects

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**TextBoxes** - A modular rich content editing system using **JavaScript** and **React.js**

**Budget** - A simple command-line program to keep track of a budget. Written in **Elixir**

**Jarl** - A game made in pure **JavaScript** and CSS3 transitions for the js13KGames competition. It uses prototypal inheritance heavily

**Mini-Journal** - command-line based journaling program that allows you to easily catch up any missed days, written in **OCaml**

\$ git clone https://github.com/justgage/resume # View this in PDF and Markdown.