

# Kris Byington

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## ABOUT ME

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I am a recent SFSU graduate and military veteran looking to fill your software developer position. Proven to be an adaptable and reliable collaborator during my time in the Marine Corps. I will use this experience along with the skills and knowledge gained from earning my degree in Computer Science to add value to your team.

## EDUCATION

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**San Francisco State University**  
*Bachelor of Science in Computer Science*

San Francisco, CA  
*December 2022*

**Relevant Course Work:** Programming Methodology, Unix Programming, Database Systems, Web Development, Operating Systems, Data Structures and Algorithms, Mathematical Analysis of Algorithms, Human computer interaction

## PROJECTS

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**Scrabble Game** | [skrabble.com](https://skrabble.com) | [codebase](https://codebase) | *Javascript, HTML, CSS, Node.js, Express, PostreSQL*

- Cooperated with a small team to build a full stack web app that supports up to 4 players in a game
- Developed real time chat and UI interaction using Socket.io
- Implemented Full registration and authentication system with persistent session data
- Organized remotely and used git to enforce safe development practices

**Image Manipulation** | [codebase](https://codebase) | *Python, PIL, Git, Restful API*

- Created a program for an artist to use in making portraits out of dice
- Transforms pixel data with statistical methods in Python to create an image out of dice
- Prepares instruction document and preview image for an artist to follow
- Designed multiple translation methods from image to dice for increased utility

**HTTP/2 Web Server** | *Java, HTTP/2, Git*

- Parses HTTP/2 headers for serving response codes and resources
- Serves URI's of Discrete MIME types
- Common Gateway interface functionality
- Custom log system built fully in house

**Imgur Clone** | *Javascript, HTML, CSS, mySQL, Node.js, Express, Git*

- Filtering of search results based on keyword given on upload
- Login and Registration with frontend and backend validation
- Manages a variety of data connected to specific users in a relational database

## TECHNICAL SKILLS

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**Languages:** Java, C/C++, JavaScript, HTML, CSS, SQL

**Technologies:** React, Node.js, Express, Socket.io

**Developer Tools:** Git, VS Code, Visual Studio, IntelliJ, Eclipse, debuggers

## EXPERIENCE

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**Electrical Generator Mechanic**

September/01/2012 - September/29/2016

*United States Marine Corps*

- Performed troubleshooting, preventative maintenance, and repairs electrical generators
- Trained junior members on operating and repairing both new and old equipment
- Organized logistics for and supported international field training operations