

# Andrew Dillon

Software Developer

Ballwin, Missouri

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## Education

2016-2020 **B.S. in Computer Science**, *Minor in Mathematics*, THE UNIVERSITY OF MISSOURI - ST. LOUIS, St. Louis, Missouri.

2014-2016 MARQUETTE HIGH SCHOOL St. Louis, Missouri

2012-2014 AURORA HIGH SCHOOL Aurora, Nebraska

## Experience

December 2016–Present **Software Engineer Intern**, MARYVILLE TECHNOLOGIES, Maryville Centre Dr, St. Louis.

- Developed web app to organize team's skills & tools:
  - **backend** is built using Go, Cassandra, Docker, and AWS EC2 & S3.
  - **frontend** is built using React JS framework.
- Building web app, Codesplain, to help programming instructors and students:
  - **frontend** is built with ReactJS framework.
  - serverless **backend** is built with AWS API Gateway, S3, & Lambdas.
  - uses a **set of language parsers** that run in the client browser.
  - Codesplain is being actively used by LaunchCode.

June 2016–December 2016 **Software Tester**, TAPESTRY SOLUTIONS, INC., Maryland Heights, Missouri.

- Employed variety of testing methods to test extensive software functionality.
- Designed and improved step-by-step procedures for thorough testing of software.
- Wrote bug/problem reports for software defects.
- Utilized problem solving skills to troubleshoot issues within software.
- Developed guides and instructions for usage of software.

## Technical Skills

### Proficient With

languages Java, Go, JavaScript, HTML, CSS, JSON, Bash  
technologies Vim, Git, React, Node.js, L<sup>A</sup>T<sub>E</sub>X, Ubuntu Linux, OSX, Windows

### Have Experience With

languages C, C++, Clojure, Python, SQL, CQL, YAML, PHP  
technologies CircleCI, Webpack, AWS S3 & EC2 & Lambda, Docker, Emacs, IntelliJ IDEA, Eclipse, Cassandra, MySQL, SSH, Android development, NuPIC & HTM.java

## Projects

- Active contributor to AI software developed by Numenta, Inc.
- Experimented with classification of EMG signals by machine learning code.
- Worked on team and built app to help the homeless at GlobalHack 2016.
- Developed Minecraft scripting tool to encourage novices' interest in coding.
- Writing software for personal robotics projects.