

# PAUL SHINGLETON

Computer Science student

## PERSONAL INFO

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## CONCENTRATIONS

Software Engineering  
Object Oriented Analysis & Design  
Data Science

## LANGUAGES, FRAMEWORKS, APPLICATIONS

### PROFICIENT

Java  
Python  
SQL  
Git  
C

### FAMILIAR

JavaScript, HTML, CSS  
RESTful API  
ReactJS  
NodeJS  
Spring  
C++

## BUSINESS SKILLS

Communication  
Creativity  
Leadership

## PERSONAL TRAITS

Logic-oriented  
Feedback receptive  
Improvement driven

Thorough, motivated software engineering student with a solid foundation in group-based project experience. Seeking to utilize technical and collaborative skills in a full-time position upon graduation.

## EDUCATION

**Worcester Polytechnic Institute (WPI)**, Worcester, MA

**BS Computer Science, Minor Data Science**, GPA: 3.4 – 2015 – May 2019

## WORK EXPERIENCE

### Liberty Mutual Insurance – Software Engineering Intern

Summer 2018

- Improved underlying web app (Java/Spring) by creating efficiencies in the software via automating a complicated process, allowing for faster production cycles and hours of saved time per use
- Applied design patterns (Command, Repository, MVC) to refactor code-base and implement project, increasing code scalability and readability
- Won first place and employee choice in Intern Hackathon for front-end (React) application that could reduce setup time for new-hires by hours

### Liberty Mutual Insurance – Data Science Intern

Summer 2017

- Produced insightful work-inflow monitoring dashboards for managers using raw data from a live database using SQL and PowerBI
- Replaced Excel sheets with R script to generate dynamic time-series forecasting visuals and datasets

## PROJECTS

### Gettysburg Board Game Engine

Winter 2018

Implemented complicated board game rules in sprints utilizing software design patterns (MVC, Strategy, Factory) to produce efficient refactored code in Java

### Meeting Buddy Android App

Spring 2018

Lead team in design and organization of an Android App to efficiently host large meetings by using location data to automatically mark present attendees

### Energy Monitoring Dashboard – Interactive Qualifying Project (IQP)

Spring 2018

Lead peers outside of my major in implementation of a Tableau dashboard to display campus energy usage trends for increasing resource sustainability

### Major Qualifying Project – Silicon Valley

January-March 2019

Accepted in a competitive travel-study program to complete major-related capstone project in Mountain View, CA

## ORGANIZATIONS

### Tau Kappa Epsilon Fraternity

- Philanthropy chairmanship - raised \$16,000 for the 2016-17 school year

### Students Mentoring Active Responsibility Together – VP Communications

- Organizes, creates, and gives presentations to various organizations on campus