

# JOSEPH TURNER

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## Permanent Address

2032 Marys Shady Lane  
Front Royal, VA 22630

joe5@vt.edu

540-622-8247

GitHub.com/JosephTTurner

## Current Address

3772 North Fork Road  
Elliston, VA 24087

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## SUMMARY

Highly dependable Software Engineer with passion for solving problems via curiosity, persistence and innovation

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## HIGHLIGHTS

- Proficient in Java
  - Proficient in C
  - Proficient in Python
  - Experienced in R
  - Experienced in C#
  - Experienced in SQL
  - Experienced in JQuery
  - Experienced in .Net MVC
  - Excellent analytical skills
  - Team leadership
  - Multitasking
  - Deadline driven
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## EDUCATION

**Virginia Tech:** Blacksburg, VA

**Bachelor of Science:** Computer Science with Minor in Mathematics

2017

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## EXPERIENCE

### AUTOMATIONS CREATIONS INC.: Blacksburg, VA

#### Software Developer

2019 to current

- Maintained client websites and databases predominantly built with MS MVC .Net framework
- Extensive use of C# as the primary programming language for communication between Model View and Controller
- Moderate Use of SQL databases using SSMS to query tables to investigate, update and automate client data

### RISING SILO BREWERY: Blacksburg, VA

#### Lead Pourer / Co Manager

2017 to 2019

- Developed Google Apps Java Script that generates a system of spreadsheets to maintain payroll data
- Researching potential mobile strategies to boost marketing and reduce paper waste in the taproom
- Managing schedule, payroll and inventory and streamlining work-flow while ensuring respect to ABC Law
- Conducting a team pouring unique craft beers to enduring lines of costumers while sustaining homely atmosphere

### VIRGINIA TECH: Blacksburg, VA

#### Research Assistant / Data Analyst

Summer 2017

- Worked with PhD student to organize and analyze the error reports generated from computer education software
  - Extensive use of RStudio to reorganize data into meaningful subsets that could be clustered via k-means
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## CODING PROJECTS

### Patriot Missile Simulation

- Developed Matlab script that used 3D radar data of a moving target to compute angles of an intercepting missile
- Executed numerical methods such as Newton Interpolation and Partial Pivoting Gauss Elimination on matrices

### Devil's Advocate (Senior Capstone)

- Collaborated to develop Chrome Extension that detected fake news from HTML elements parsed with JavaScript
- Implemented server using Python / Flask that tested links against a data set of sources known to be real or fake
- Developed Multi-Threaded Python scripts that compiled real and fake news into a data set for Linguistic Analysis

### CoachMe

- Collaborated to develop Android application enabling sports teams to draw and share strategies on a field screen
- Extensive use of Object Oriented Programming and Model View Controller design with Android Studio and Java

### Extensible Shell

- Implemented a Command Shell to fork and reap Child Processes that execute programs in Linux Terminal
- Extensive use of Structs, Linux System Calls and Data Organization for Parallel Programming in C

### ThoughtSwap (Independent Study)

- Studied and tinkered with Web Application previously developed by VT professor for educational discussions
- Gained basic experience in web development using MySQL Server, HTML, JavaScript and Git Bash