

William Hollingsworth

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LinkedIn:

[linkedin.com/in/will-hollingsworth](https://www.linkedin.com/in/will-hollingsworth)

GitHub:

github.com/wthollingsworth

Portfolio

wthollingsworth.com

TECHNICAL SKILLS

- **Proficient:** C, C++, Java, Python, Javascript, Express.JS, HTML5, CSS3, Git, Bash
- **Exposure:** Rust, Lua, Node.JS, Perl, Android, OpenSceneGraph, SFML, Boost, XML, Clearcase, SQL, MongoDB

WORK EXPERIENCE

Loudoun County Public Schools | Computer Science Teacher | Ashburn, VA August 2018 - June 2021

- Guided over 200 high school students in introductory (in Java), honors (in Python), and Advanced Placement (in Java) classes, with an increase in AP enrollment from 45 to 65 between 2019 and 2020
- Designed and implemented custom AP Computer Science curriculum with differentiation for varying levels of experience, achieving a 94% pass rate on the AP Exam in 2020
- Coordinated schedule for Hour of Code event led by Computer Science Honor Society members for elementary students using GSuite, allowing 100+ students to learn the Scratch visual programming language

SWIFT | Software Engineer | Manassas, VA August 2016 - August 2018

- Implemented software update check at the server using C++, allowing 11, 000 member financial institutions to know when support is expiring for purchased versions of 12+ products and what updates are available
- Developed 50+ cases using C++ and Boost for XML configuration file parser used by multiple teams, achieving >90% coverage of configuration options

EDUCATION

M.S. Computer Science, *The College of William & Mary* Graduation May 2016

B.S. Computer Science and Mathematics, *Longwood University* Graduation May 2014

PROJECT WORK

Pomodoro.nvim | Software Engineer | [code](#) 2021

A Pomodoro timer plugin for the Neovim text editor written in Lua.

- Implemented an automated Pomodoro Technique timer for the Neovim text editor in Lua that replicates the method as described by the creator
- Eliminates the \$5-10 cost of a kitchen timer

Zippy | Software Engineer | [code](#) 2019-2021

A collection of Bash scripts to help working with large amounts of zip files.

- Wrote scripts to list the zip archives in a given location, and extract them in bulk to another location
- Built a command line interface for managing student work in Google Drive using the above scripts as a git submodule
- Saved approximately 1 hour per project of manually downloading student work, for a total of 15 hours

Texify | Software Engineer | [code](#) 2015

A Bash script to simplify generating a PDF from a LaTeX document with a BibTeX bibliography.

- Developed a script to run the additional terminal commands required to include the bibliography in the document and open the PDF in a preferred PDF viewer application
- Achieved an 85% speedup compared to manually running the commands from 20 to 3 seconds

AWARDS

Outstanding Educator Award, *Lynchburg University Summer Residential Governor's School* 2021

Badger-Magnifico Award, *Longwood University* 2014