

# Tyler Howard

tylernhoward.com

Email : tylernhoward@gmail.com

## EDUCATION

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### Towson University

*Bachelor of Science in Computer Science*

*Concentration in Software Engineering, Minor in Mathematics*

Towson, MD

*Aug. 2014 - May 2018*

*GPA: 3.69*

## HONORS

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*Honors College Scholar*

*Aug. 2014 - May 2018*

*Provost Scholarship*

*Aug. 2014 - May 2018*

*Dean's List*

*May 2015 - 2018*

## EXPERIENCE

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### Contrast Security

*Software Engineer*

Baltimore, MD

*Summer 2018 - Present*

- Support development of Contrast's flagship product: the Java Agent, a runtime application self-protection product
- Aid in the ongoing development of a portable acceptance testing framework to ensure product functionality and replace legacy Jenkins-based testing. Uses Docker and the latest in build tools and testing platforms

### Cyber4All

*Software Developer*

Towson, MD

*Spring 2017 - Spring 2018*

- Helped manage and distribute tasks to members of a small development team of undergraduate students
- Lead developer responsible for maintaining the program's website and a repository of online teaching modules hosted at Security Injections @ Towson University
- Conducted research in order to help design and implement a Cybersecurity curriculum management platform using new web technologies and the MEAN stack as part of a project funded by the National Science Foundation

### Towson University - Office of Technology Services

*Field Support Technician*

Towson, MD

*Jan 2014 - Oct 2016*

- Worked in IT department of Towson University supporting faculty and staff with technology related issues
- Worked on a small team to develop a Visual Basic application that provides help resources and campus alerts to instructor workstations

## INVOLVEMENT

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### Towson University Software Engineering Club

*Aug. 2017 - May 2018*

- Skill development based club focused on independent project work and participation in local hackathons

### Towson University Cybersecurity Club

*Aug. 2016 - Spring 2017*

- Club focused on current security practices and hands-on applications that highlight system vulnerabilities

## RELATED SKILLS

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Java, JavaScript, Angular, Vue, HTML5, SCSS

Scala, Kotlin, Python, C++, PHP, MySQL, MongoDB

ASP.NET, ReactJS, Go, Ionic, Swift

Knowledge of Object Oriented Design, Version Control, Agile Development, Linux Systems

Skilled  
Intermediate  
Learning

## PROJECTS

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- HeRO: Help Resources Online - VB application that provides help resources and alerts to instructor workstations
- Security Injections 3.0 @ Towson - AngularJS web application used as a teaching tool for introductory CS students
- CLARK - Cybersecurity Labs and Resource Management full stack application using Angular and MongoDB
- WWYDH: What Would You Do Here? - PHP based social platform aimed to combat vacant lots in Baltimore
- SecureString - Java library that protects strings in JVM memory through obfuscation and explicit clearing
- Markdowner - WYSIWYG editor for markdown using a self-ported library (ng-tui-editor) for Angular 2+
- Pleasant Hues - Web application written in React for creating color themes for different developer tools
- Job Jar - Simple Alexa skill that randomly selects a household chore you have added to help you stop procrastinating
- Lol CLI - Tiny command-line app hosted on NPM that outputs multiple categories of jokes retrieved from Reddit