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|  | EliJAh Bosley elijahbosley.com  ekbosley@gmail.com | (434) 825-4109 | github.com/elibosley | Charlottesville, Virginia | |
| EDUCATION | **rochester institute of technology**, Rochester, New York 2015-PresentBS Software Engineering, Honors Program, Expected 2020 RIT Dean’s List: (GPA 3.7, Major GPA: 4.0) | |
| Skills | **Experienced with:** C#, Java, Python, Ruby, C, HTML, Arduino, GIT, GitHub  **Exposed to:** JavaScript, Processing, SQL, Android, Rails, Clojure  **Tools and Knowledge:** Windows, Linux, Unix Shell, SQL, SSMS, Vim, .NET, JQuery, Angular.js, MVC,  Experience with good software design and development principles | |
| JOBS | **ROCHESTER INSTITUTE OF TECHNOLOGY** Research Assistant  Member of a research team tasked with developing a web application for displaying previous vulnerabilities in software. Website and API designed to allow researchers and developers avoid bugs and exploits that have already been discovered. | 2016-Present |
| **TECH DYNAMISM** Software Engineering Intern  Worked on a large scale C#, .Net Framework and Web (AngularJS, jQuery, Bootstrap) project. Created unit tests, fixed bugs, redesigned features and participated in scrum development as part of a developer team. | 2016 |
| **SELF-EMPLOYED** Computer Programming Mentor  Mentored a rising 9th grade student in the Java programming language and helped him to create a top-down videogame, with dynamic lighting. | 2015 |
| **TANDEM FRIENDS SCHOOL Technical Volunteer** Assisted in creation and implementation of a Linux distribution for Tandem Friends School workstations, to optimize speed for low end hardware. | 2014-2015 |
| **Northrop Grumman** **High School Involvement Program (HIP)** Worked in a two-person team to design a first-person camera system for an unmanned-aerial vehicle, using radio frequency to transmit video signals. | 2012-2013 |
| PROJECTS | **Arduino door lock**Door lock for dorm room using Arduino and Adafruit NFC shield to allow unlocking through NFC and the internet through serial |  |
| **LASERS JAVA PROJECT** Collaborative project to create a GUI game in JavaFX with backtracking solution-solving and gameplay similar to Minesweeper |  |
| **Arduino led controller** Arduino-driven LED light strip that allows full light customization and music visualization through serial link and custom GUI |  |
| **Android Text Clock widget** **Widget that shows the time in written text and is fully customizable with color-picker for background and text as well as text customization and dynamic resizing** |  |
| Extra-Curricular | **Society of Software Engineers** Talks Head Mentorship and social society with over 50 active members. As the Talks Head, responsibilities include reaching out to professional organizations and companies to find professional speakers as well as interacting with students to help them give interesting speeches. | 2015-Present  2012-2013 |
| **FIRST ROBOTICS** FTC Team Defying Gravity: Build Team Co-Leader Virginia State Champion, Regional Inspire Award and Winning Alliance Award Recipient, helped to design, build, and program a 16 inch3 robot to solve a four-foot-tall tic-tac-toe board. |