

BRADLEY LEGG

Winchester, Massachusetts | 781-879-8350 | Bradley_legg@student.uml.edu

Education

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| University of Massachusetts Lowell - Lowell, MA | Graduating Dec 2021 |
| <ul style="list-style-type: none">• Candidate for Bachelor of Science Degree in Computer Science• Minor in Operations & Information Systems | |
| Winchester High School - Winchester, MA | Graduated May 2017 |
| Honors: | |
| <ul style="list-style-type: none">• Awarded certificate for Outstanding Academics in Web Design• Awarded certificate for Outstanding Service & Support for the English Department• Inducted into the National Latin Honor Society | |

Relevant Coursework

2017 - 2019

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- Computing I, II, III, & IV
 - Discrete Mathematics 1 & 2
 - Assembly Language
 - Calculus I & II

Academic Projects

LFSR Encryption Project - A program that produces pseudo-random bits by simulating a linear feedback shift register. The pseudo-random bits were used to implement a simple encryption that set the image color to photo-negative by extracting the RGB components of the image color and shifted the pixels over in an image so that the product of these operations appeared as random noise until the LFSR XOR operation was redone, undoing the random noise and reverting the image to it's original state.

Work & Volunteer Experience

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| Draper Laboratory, Cambridge MA
<i>Product Lifecycle Management Automated Testing Co-op</i> | Jul 2019 - Dec 2019 |
| <ul style="list-style-type: none">• Tested user permissions on Enovia via test accounts on a development environment and gathered results of the user permission tests for various objects in the 3DX database• Wrote web API scripts for automated testing that access the HTML DOM information using the Sahi framework with JavaScript• Followed Agile methodology with several weekly meetings discussing progress, novel ideas, and the current sprint | |
| Jenks Senior Center, Winchester MA
<i>Web Content Editor</i> | May 2016 - Dec 2017 |
| <ul style="list-style-type: none">• Edited the web pages to update the content for the upcoming month• Used Adobe Dreamweaver HTML/CSS• Met monthly with the web development team and demonstrated the ability to work well with others when recommending website improvements and implementing approved changes | |

Skills

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- Programming Languages - Fluent in C/C++, JavaScript, and Sahiscript with exposure to Java, Python, HTML, CSS, MIPS, MongoDB.
 - Operating Systems - Considerable experience in Microsoft Windows with Atom and Microsoft Visual Studio or Linux with Emacs.
 - Tools - Extensive experience using the Atlassian suite tools, Sahi, and Git as a source of version control.
 - Experiential - PLM alongside associated knowledge for quality management systems such as CAPAs, automated user security testing, Agile methodology, code review, and linter formatting.

Activities

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- Member of the Table Tennis Club
 - Member of the Living Learning Community: Innovation in Computer Science