

MICAH ELLIOT HALTER

BASIC INFO

EMAIL: micah@mehalter.com
WEBSITE: mehalter.com

PHONE: (704) 490-9840
LOCATION: Atlanta, Georgia

EDUCATION

- | | |
|------------------------|---|
| AUG 2015 –
MAY 2019 | Bachelor of Science in Computer Science
<i>Georgia Institute of Technology, Atlanta, Georgia.</i>
Focus in system architecture and theory
Dean's List Fall 2015, Spring 2016, Fall 2016 |
| AUG 2017 –
DEC 2017 | Bachelor of Science in Computer Science
<i>Hong Kong University of Science and Technology, Hong Kong.</i>
Studied abroad |

PROFESSIONAL EXPERIENCE

- | | |
|------------------------|---|
| JAN 2016 –
CURRENT | Georgia Tech Research Institute – Student Research Assistant
<i>Atlanta, Georgia.</i>
Implementing a relational database schema to enhance sonar research
Developed a machine learning based crime forecasting system using past crime and geographical data
Developed a wearable technology based 911 communication assistance tool |
| MAY 2017 –
AUG 2017 | The Boeing Company – System Administrator Intern
<i>Kent, Washington.</i>
Developed a security auditing tool suite for Red Hat Enterprise Linux 7
Developed a web-based data visualization tool
Developed several system administration scripts as needed by team members |
| MAY 2016 –
AUG 2016 | The Boeing Company – Programmer Analyst Intern
<i>North Charleston, South Carolina.</i>
Documented and executed an upgrade plan for the company's identity management servers
Developed an Outlook-integrated conference room mapping tool
Designed and began development of a web-based Kanban board tool |

PROJECTS

- | | |
|------------------------|---|
| SEP 2016 –
NOV 2016 | Clean Water Crowdsourcing
Completed the full-stack development process from design to implementation of a full Java based application
Demonstrated good development practices to make sure code is concise, maintainable, and sharable |
| MAY 2015 | Huffman Coding
Programmed a C-based implementation of the Huffman coding compression and decompression algorithm |
| FEB 2015 | Multi-Player Conway's Game of Life
Developed a Java-based version of Conway's Game of Life
Created and implemented new rules to the automaton to introduce competition between two cell strains |

LANGUAGES

C/C++, Scala, Java, C#, Python, Perl, Bash, SQL, MySQL, PostgreSQL, L^AT_EX, HTML, CSS, JavaScript

TOOLS I USE

I use a **vim**-based tiling window manager set up in **Arch Linux**. I use a combination of **R Markdown** and **L^AT_EX** for text processing. I use a collection of custom configuration files and shell scripts to optimize my workflow, and am continuously evolving my tools and configuration to meet my needs.