

Justin M. Konecny

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Available: May – December 2020

Education

Northeastern University Boston, Massachusetts

August 2017 – Present

Khoury College of Computer Sciences

Candidate for Bachelor of Science in Cybersecurity, Minor in Mathematics

Expected Graduation: May 2022

Academics: GPA: 3.93/4.00 | Dean's List: Fall 2017, Spring 2018, Fall 2018, Spring 2019

Courses: Object-Oriented Design, Algorithms & Data Structures, Networks & Distributed Systems, Computer Systems, Fundamentals of Computer Science 1 & 2, Foundations of Cybersecurity

Marine Academy of Science and Technology Sandy Hook, New Jersey

September 2013 – June 2017

Academics: GPA: 96.86/100.00 | Awards: Outstanding Academic Achievement in Mathematics

Leadership: National Honors Society, Spanish Honors Society (President), NJROTC

Computer Knowledge and Skills

Languages: Java, Python, JavaScript, TypeScript, C, C++, Racket; **Familiar:** React, Vue.js, HTML/CSS
AMD64 Assembly

Certification: AWS Certified Cloud Practitioner (2018)

Software: Linux CLI, Jira, Git, LaTeX, IntelliJ, Eclipse, PyCharm, Visual Studio Code, GDB, MacOS, Windows, XCode (Familiar), Microsoft Office, Vim (Familiar), DrRacket

Software Projects

Liberty Cars

- Created a web application using Vue.js to allow users to search for used cars matching specified model criteria
- Implemented asynchronous requests to aggregate matching search results from multiple geographic locations
- Displayed only unique results by filtering out duplicate listings by checking for identical posting content

Interactive Animator

- Developed an interactive interface through paired programming in Java to display text-based animations
- Implemented MVC design pattern using Java Swing to output interactive, visual, and textual animations

Memory Allocator

- Created a thread-safe memory allocator in C using mutexes, memory-mapped pages, and pointer arithmetic
- Utilized bucket-style free-lists to handle allocation, reallocation and freeing of varying sized memory chunks

Professional Experience

Rocket Software Waltham, Massachusetts

July – December 2019

Software Engineering Co-op

- Developed a TypeScript plugin for an open-source command line application to interact with a REST API
- Migrated existing Java HTTP servlet-style API endpoints to use Spring Web MVC annotation-based registration
- Implemented a new shutdown procedure in an existing Java application to track threads completion for a safe exit
- Fulfilled and managed completion of Jira tickets for new features and bug fixes as a member of a Scrum team

Vonage Holmdel, New Jersey

July – August 2018

Information Security Associate

- Implemented a PostgreSQL vault on an AWS EC2 instance for secure storage/retrieval of team information
- Developed a Python script to process and record information from vulnerability scans of thousands of hosts
- Employed Python scripts to facilitate cloning hundreds of GitHub repositories for static source code analysis

Additional Information

Campus Involvement: Founding Father of Phi Gamma Delta Chapter (Scholarship Chair), HackBeanpot

Interests: Snowboarding, Running, Cooking, Traveling, Hiking, Spanish Language/Culture