Justin M. Konecny

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Available: May – December 2020

EDUCATION

Northeastern University   August 2017 – Present
  Khoury College of Computer Sciences   *Boston, Massachusetts*
  Candidate for Bachelor of Science in Cybersecurity, Minor in Mathematics   Expected: May 2022
  Academics: GPA: 3.93/4.00 | Dean's List: Fall 2017 – 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   September 2013 – June 2017
  Academics: GPA: 96.86/100.00   *Sandy Hook, New Jersey*

COMPUTER KNOWLEDGE

Languages (Proficient): 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, Vim, MacOS, Windows, XCode (Familiar), Microsoft Office

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   July – December 2019
Software Engineering Co-op   *Waltham, Massachusetts*
  – 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   July – August 2018
Information Security Associate   *Holmdel, New Jersey*
  – 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