Justin M. Konecny

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jkonecny.com   **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: <u>GPA</u>: 3.93/4.00 | <u>Dean's List</u>: Fall 2017 – Spring 2019
    Courses: Object-Oriented Design, Algorithms & Data Structures,
                 Networks & Distributed Systems, Foundations of Cybersecurity,
                 Computer Systems, Fundamentals of Computer Science 1 & 2

Marine Academy of Science and Technology   September 2013 – June 2017
    Academics: <u>GPA</u>: 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
Certification: AWS Certified Cloud Practitioner (2018)
Software: Linux CLI, Git, Jira, GDB, LaTeX, IntelliJ, Eclipse, PyCharm, Visual Studio Code, Vim

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

Distributed Key-Value Store
   – Implemented the raft quorum consensus protocol in Python to create a key-value storage program
   – Utilized heartbeat messages between all replicas to track value consistency and ensure availability
   – Developed an election process used after failure to select a leader to commit changes to the replicated store

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 thread completions for a safe exit
   – Successful completed assigned Jira tickets for new product 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