

CONTACT

(732) 673-5811
konecny.j@husky.neu.edu

AVAILABILITY

May – December 2020

LOCATIONS

Permanent

Middletown, NJ

Local

Boston, MA

LINKS

github.com/justinkonecny
linkedin.com/in/justin-konecny
jkonecny.com

COMPUTER SKILLS

LANGUAGES

Proficient

Java, Python, React,
JavaScript, TypeScript, C, C++

Familiar

Vue.js, HTML/CSS, Racket,
AMD64 Assembly

CERTIFICATION

AWS Certified Cloud
Practitioner (2018)

SOFTWARE

Linux CLI, Git, Jira, Docker,
GDB, LaTeX, IntelliJ,
PyCharm, Eclipse, Visual
Studio Code, Vim, MacOS,
Windows, Microsoft Office

ACTIVITIES

CAMPUS INVOLVEMENT

Founding Father and
Scholarship Chair of Phi
Gamma Delta Northeastern
Chapter, HackBeanpot

INTERESTS

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

JUSTIN M. KONECNY

EDUCATION

NORTHEASTERN UNIVERSITY

Khoury College of Computer Sciences

Candidate for B.S. Cybersecurity, Minor Mathematics

GPA: 3.93/4.00 | Dean's List: Fall 2017 – Spring 2019

Courses: Object-Oriented Design, Algorithms & Data Structures, Cryptography,
Network Security, Networks & Distributed Systems, Computer Systems,
Foundations of Cybersecurity, Statistics & Stochastic Processes

Aug. 2017 – Present

Boston, MA

May 2022

MARINE ACADEMY OF SCIENCE & TECHNOLOGY

GPA: 96.86/100.00

Sept. 2013 – June 2017

Sandy Hook, NJ

PROFESSIONAL EXPERIENCE

ROCKET SOFTWARE

Software Engineering Co-op

- Created a global shutdown helper in a Java application to register, track, and wait for hundreds of threads to finish working before safely exiting
- Added new features to and fixed bugs in a React user-interface application to process user input to interact with new API endpoints and display results
- Developed a TypeScript plugin for an open-source command line application to *get*, *put*, *post*, and *delete* information to REST API endpoints
- Migrated fifty Java servlet-style API endpoints to use Spring Web MVC
- Successfully completed Jira tickets for developing new product features, fixing bugs, and designing new QA tests as a Scrum team member

July – December 2019

Waltham, MA

VONAGE

Information Security Associate

- Implemented a HashiCorp vault to use PostgreSQL on an AWS EC2 instance for secure storage and retrieval of sensitive team information
- Developed Python scripts to process information from the results of scanning thousands of hosts for network vulnerabilities and to facilitate cloning hundreds of GitHub repositories for static source code analysis

July – August 2018

Holmdel, NJ

SOFTWARE PROJECTS

LIBERTY CARS

- Created a web application using Vue.js to allow users to input model search criteria to find used cars and filter results to display only unique listings
- Implemented asynchronous requests to aggregate search results from three geographic locations and retrieve additional details from each vehicle listing
- Added one page to view all results and another to view individual details

Summer 2019

DISTRIBUTED KEY-VALUE STORE

- Implemented the raft, quorum-consensus protocol in Python to create a distributed, replicated key-value-based store to process *get* and *put* requests
- Developed an automated election process to select a leader that accepts requests, delegates to living replicas, and ensures all log commits are final
- Used request logs and timed heartbeat messages between all replicas to track each replica's availability and ensure data consistency for each *get*

Spring 2019