

## CONTACT

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

## AVAILABILITY

May – December 2020

## LOCATIONS

### Permanent

Middletown, New Jersey

### Local

Boston, Massachusetts

## LINKS

[github.com/justinkonecny](https://github.com/justinkonecny)  
[linkedin.com/in/justin-konecny](https://linkedin.com/in/justin-konecny)  
[jkonecny.com](https://jkonecny.com)

## COMPUTER SKILLS

## 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, Git, Jira, 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 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,  
Networks & Distributed Systems, Foundations of Cybersecurity,  
Computer Systems, Fundamentals of Computer Science I & 2

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

- 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 annotation-based registration, license checking, and user authorization
- Created a global shutdown helper in a Java application to register, track, and wait for hundreds of threads to finish working before safely exiting
- Successfully completed many 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 a Python script to process and record information from the results of scanning thousands of hosts for potential network vulnerabilities
- Designed a Python script to facilitate cloning hundreds of GitHub repositories for static source code analysis to identify vulnerabilities

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
- Included one page to view all results and another to view individual details

### DISTRIBUTED KEY-VALUE STORE

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