

Nicholas Alvino

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SUMMARY

Passionate, energetic computer science junior, keen on developing new skills to complement my studies and grow as a professional in the industry. Seeking an opportunity in cybersecurity or software engineering industry where I can utilize my relevant experience, technical expertise, and problem-solving skills.

EDUCATION

Kean University | Union, NJ

Expected Grad Date: May 2021

B.S. in Computer Science - [Cybersecurity Option](#) Minor: Mathematical Sciences G.P.A: 3.69 / 4.00

SKILLS

Computing Languages: Java, Assembly Language, MySQL, Python, PHP, HTML, JavaScript, CSS, Unix

Spoken Languages: English (Native), Spanish (Proficient), Italian (Beginner)

Operating Systems: Windows, Linux, Android, IOS

Interests: Cyber Security, Digital Forensics, Software Developer, Web Developer, Penetration Testing

Platform: Microsoft Office (Word, PowerPoint, Excel, Publisher) | Adobe Creative Suite (Photoshop, Flash, Dreamweaver, Premiere Elements)

PROJECTS

Personal Website Portfolio

June 2019 - August 2019

- Created an online portfolio showcasing a wide variety of my projects, along with an interest section and contact information. Utilizing languages, such as Ajax and JavaScript, the page holds a dynamic feel, with minimal elements made static.

Online Banking System

February 2019 - May 2019

- An HTML based website that communicates to a database storing users' information using PHP to give users access to their financial information. Security measures such as login authentication and stored cookies are implemented providing a secure viewing session.

RESEARCH EXPERIENCE

Students Partnering with Faculty (SpF) 2019 | Kean University

Quality of Routing Services

October 2018 - Present

- Analyzing results of Manhattans' traffic scanners to determine if direction websites, such as Google Maps and Waze, show the real estimated time based on ground truth information queried.

Assigning Sentiment Value to Roads by Analyzing Traffic Tweets

May 2019 - Present

- Collecting tweetIDs, times, and geo-locations of tweets using Twitters' Live API regarding current traffic and road conditions that are sent through a natural language processing API to assign values of sentiment (1-5). Results are displayed overlaying Google Maps API to depict the positive, negative, or neutral values of specific roads.

Extracting and Monitoring Tweets with Traffic Information

May 2019 - Present

- Developing a Twitter mining system to crawl and collect tweets containing traffic information using Twitters' Streaming API. The keyword metadata is interpreted and visualized using word cloud maps, amplifying the significance of trending traffic conditions.

EXTRACURRICULAR ACTIVITIES

National Cybersecurity Student Association | President
Association for Computing Machinery | Member

May 2019 - Present
Sept 2017 - Present

WORK EXPERIENCE

Code Samurai Tutor | Kean University Union, NJ

September 2018 - Present

- Tutor on average 5-10 students on a weekly basis on computing language fundamentals, such as Java, as well as data structures and proper coding techniques.

Resident Assistant | Kean University Union, NJ

August 2018 - Present

- Serve as a mentor and advisor for over 180 upperclassman resident students
- Collaborate with other Resident Assistants to develop a positive environment where residents can feel safe and interact with each other.

Residential Student Services Assistant | Kean University Union, NJ August 2017 - September 2018

- Provided individualized customer service to students in the residential computer labs by addressing and troubleshooting all technical issues and aiding students with navigating school resources.

IT Internship | Wanaque School District Wanaque, NJ

September 2016 - June 2017

- Under mentored supervision, processed on a weekly basis, on average, 10-15 incoming work orders; in addition to addressing any arising technological concerns.

HONORS/AWARDS

- Kean University Dean's List (Fall 2017 – Spring 2019)
- Students Partnering with Faculty (SpF) Research Stipend
- NSF CAHSI Travel Grant for GMIS Conference

CONFERENCES/PRESENTATIONS

- [1] **N. Alvino**, P. Hannon, A. Floyd, M. Acosta, and D. Kwak, "The Quality of Routing Services: Comparison of Observed and Estimated Travel Times," In *National Conference on Undergraduate Research (NCUR) 2019*, April 10-13, 2019, Kennesaw, GA.
- [2] P. Hannon, **N. Alvino**, A. Floyd, and D. Kwak, "The Quality of Routing Services: Comparison of Observed and Estimated Travel Times," In *Kean Research Days 2019*, April 23-24, 2019, Union, NJ.
- [3] P. Hannon, A. Floyd, **N. Alvino**, and D. Kwak, "Identifying the Quality of Routing Services," In *Proceedings of The National Conference on Undergraduate Research (NCUR) 2019*. – in submission
- [4] **N. Alvino**, P. Hannon, A. Floyd, and D. Kwak, "Measuring the Accuracy of Estimations from Navigation Services," In *31st Annual GMIS Conference*, Lake Buena Vista, FL, September 25-29, 2019. - accepted
- [5] P. Hannon, A. Floyd, **N. Alvino**, and D. Kwak, "Assigning Sentiment Value to Roads by Analyzing Traffic Tweets," In *31st Annual GMIS Conference*, Lake Buena Vista, FL, September 25-29, 2019. - accepted
- [6] A. Floyd, P. Hannon, **N. Alvino**, and D. Kwak, "Extracting and Monitoring Tweets with Traffic Information," In *31st Annual GMIS Conference*, Lake Buena Vista, FL, September 25-29, 2019. - accepted