

Nicholas Langan

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www.wnjl.com (Portfolio website)

EDUCATION

VILLANOVA UNIVERSITY, Villanova, PA

Master of Science degree candidate, Software Engineering

Expected graduation date May 2022

Full two-year tuition scholarship awarded

VILLANOVA UNIVERSITY, Villanova, PA

Bachelor's degree, Major: Information Systems, Minor: Communications, GPA: 3.93

Graduated Summa Cum Laude May 2020

- Member: Alpha Sigma Lambda National Honor Society (May 2019)

WORK EXPERIENCE

Villanova University, Villanova, PA

January 2021 – present

Graduate Research Assistant, Computer Science Department

- Full-time lead on mobile application development for College of Nursing nutrition project, Fast Food Health-E
- Teaching Assistant for undergraduate Computer Science courses, including Mobile App Development (Spring 2021 in React Native)

Villanova University, Villanova, PA

July 2020 – January 2021

Graduate Research Assistant, College of Electrical and Computer Engineering

- Full-time lead on Android mobile application development project through a grant from the state of Pennsylvania to provide early warning to the onset of COVID-19 symptoms, featured project in 2021 PA Manufacturing Innovation expo. Project developed for RTM Vital Signs, LLC.

Villanova University, Villanova, PA

August 2018 – May 2020

Distance Education Operator, Center of Engineering Education and Research

- Facilitate lecture broadcasts for graduate level seminars for University's Center for Engineering Education and Research Distance Learning program.

LTech Solutions Ltd., Hudson, OH

February 2014 – June 2018

Director of Operations

August 2016 – June 2018

- Oversaw daily technology operations for 20+ contracted small businesses for managed services technology provider.
- Supervised all technical resources within the company through scheduling and client management.
- Triage and scheduled all inbound helpdesk requests, assigning to appropriate technical resource.
- Ensured customer satisfaction by ensuring communications and follow-up requests were executed effectively.
- Coordinated projects for tasks and deployments such as computer setups, email and file migrations, and software installations and upgrades.
- Demonstrated new technology solutions and services to clients to ensure best practices for company functions.

Service Desk Coordinator

April 2015 – August 2016

- Scheduled and managed helpdesk technicians and assisted with Tier 1 and Tier 2 helpdesk tickets.

Director of Proactive Services

February 2014 – April 2015

- Assessed and reviewed helpdesks ticket entered into customer relationship management system.
- Overhauled 100+ documents in ITGlue, a web-based documentation platform.
- Provided support for Tier 1 and Tier 2 helpdesk tickets.

Ijazzglobal.com/Viaggio Media LLC., Paoli, PA

Technical Services Manager/Second in Command

January 2009 – April 2014

- Performed technical operations, website maintenance and design via the WordPress platform, and on-air duties for internet radio streaming operation.

Greater Media Philadelphia, Bala Cynwyd, PA

October 2006 – September 2008 **Program Producer/WJJZ-FM**

97.5

Clear Channel Communications, Bala Cynwyd, PA

June 2005 – October 2006

Program Producer, WJJZ-FM 106.1

SOFTWARE PROJECTS

More details on all projects can be found at www.wnjl.com.

RadioLand Mobile App

June 2021– present

- Developed in Flutter (Dart) for iOS and Android
- Advised by Kristin Obermyer (M.S.) as Villanova Software Engineering Grand Challenge and Thesis (Spring 2022) project
- 1st Beta released for Android and iOS on November 30 to over twenty users
- GitHub repo access available upon request
 - Abstract: https://www1.villanova.edu/content/dam/villanova/artsci/gradstudies/documents/GS_Symposium_Abstracts_2021.pdf
 - Youtube of Villanova Graduate Research Symposium presentation: <https://www.youtube.com/watch?v=A7v4Zea0UfE>

COVID-19 Monitoring Android App

July 2020 – December 2020

- Developed in native Android (Java)
- MATLAB functions converted to C and integrated in app via JNI
- Developed for RTM Vital Signs, LLC with a grant from the State of Pennsylvania as a graduate research initiative
- Featured project in the Pennsylvania State Manufacturing Innovation Expo, Spring 2021 (certificate for award was received)
- YouTube of presentation on app to RTM Vital Signs: <https://www.youtube.com/watch?v=hZ2N1yFSCcA>
- YouTube mentioning the app at the expo (the only app featured in the expo) by Dr. Moeness Amin: <https://youtu.be/igpZihQ02zI?t=530>
- GitHub repo: https://github.com/W2NJL/Villanova_COVID19

Fast Food Health-E Mobile App

February 2021 - Present

- Developed in Flutter for iOS and Android for the Villanova College of Nursing (Dr. Theresa Capriotti)
- Beta test for Android launched for Villanova Computer Science students, November 2021
- Project website: <https://www.fastfoodhealththe.com/>
- GitHub repo: <https://github.com/W2NJL/ffhe>

VOLUNTEER WORK

Villanova University Radio – 89.1 WXVU, Villanova PA

November 2019 – present

Program Director

- Co-orchestrate all station meetings, events, and promotions.
- Orchestrated health clinical program teaching senior students in the Villanova College of Nursing on producing radio content and podcasts with Dr. Carol Weingraten, Spring 2021.
- Host weekly Smooth Jazz program, the ‘Lancaster Avenue Oasis’, Tuesdays at 10:00 AM (www.wxvuosis.com).
- Manage musical selections and oversee operations of broadcast automation system.

- Education partnership with lectures and presentations through College of Nursing and Office of Health Promotion.

The History of Smooth Jazz Radio

May 2021 – present

Author

- Interviewed over 30 current and former radio industry personnel to chronicle the history of the Smooth Jazz radio format (1988-2008 in many U.S. major markets)

St. Mary of the Lakes Church, Medford, NJ

Lector/Reader

December 2021 – present

Worldwide TV-FM DXing Association, Somersville, CT

Columnist, Monthly Radio Publication

June 2006 – present