

Center for Healthcare Innovation

TITLE: Application Developer Intern

EDUCATION LEVEL: Enrollment in Undergraduate or Master's level course work

PURPOSE OF POSITION: The Application Developer Intern will assist with building, designing, and executing mobile health applications, web applications, and new technologies to enhance and extend healthcare innovation throughout the organization. This person will be responsible for assisting with developing new ways for patients, providers, and researchers to access, visualize, and interact with clinical and operational data via cutting-edge technology across the Atrium Health System. Application development intern responsibilities include assistance with rapid production of prototypes, as well as the assisting with creation of an efficient pipeline from idea to prototype to product. Projects also include assisting with building/designing other cloud-based technologies that aren't common within healthcare. This role provides technical assistance in growing the virtual portfolio for NNGN™ - the Wake Forest Center for Healthcare Innovation.

REPORTS TO:

Program Director IV Technology – NNGN™ - the Wake Forest Center for Healthcare Innovation.

UNDERGRADUATE OR MASTER'S LEVEL TECH/PROJECTS:

- Projects would involve building out web-based user interfaces, backend APIs for data transactions, creating unit tests and building components to interact with databases.
- Assist with building automated pipelines in MS Azure for building and deploying to various cloud and on-prem servers.
- Technologies/Concepts:
 - Containerization (aka Docker)
 - Azure pipelines/Terraform (IaC scripting)
 - Bash/Powershell scripting
 - Health monitoring (aka building out features to detect when our apps go down)
 - Security standards (OWASP) and testing tools
 - Programming Framework: Dotnet Core 3.1 – Dotnet 6+
 - Programming Language: C#, F#, HTML, CSS, JavaScript
 - Database Engine: EntityFramework Core (ORM) with MS SQL, Oracle, Postgres
 - UI Framework: Blazor, Angular 12+, Bootstrap, Material, MVC
 - Git as source repo structure.

WORK ENVIRONMENT:

- 3-10 hours/week (Spring and Fall if other classes being taken, can be more if desired, but course work is priority).
- 32-40 hours/week (Summer).
- \$16/hr. pay rate.
- Completely remote, with an option to be in person if available.
- Utilize Azure DevOps for task management and source control.