
SKILLS

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|-----------------|---------------------------|---------------|
| • Java (expert) | • Test-Driven Development | • Refactoring |
| • AngularJS | • Agile | • JavaScript |
| • SQL | • Pair Programming | • Scrum |

PROFESSIONAL EXPERIENCE**Cerner Corporation****Associate Senior Software Engineer****Software Engineer****September 2018 - Present****September 2016 - September 2018**

Designed and implemented a feature for automating the process of submitting infection-related reports to the National Healthcare Safety Network via email.

- This saved Infection Control Preventionists five full business days of work each month
- Java was used as a primary technology. JavaScript and SQL were used as a secondary technology

Designed and implemented a feature that generates a report on the steps that nurses have taken to treat a central line-associated bloodstream infection.

- This report is monitored by Infection Preventionists to reduce infection rates
- Java was used as a primary technology. JavaScript and SQL were used as a secondary technology

Mentored and coached new Cerner software engineers.

- Coached in areas such as coding, design, testing, and other duties
- Held recurring one on one meetings to facilitate improvement

PERSONAL PROJECTS**amcneil36.github.io**

- Running a software engineering [blog](#) where I blog on software engineering best practices on topics that I am passionate about
- Written about knowledge that I have learned from reading over 100 books on topics such as requirements, design, coding, testing, continuous integration, continuous delivery, planning, scrum, agile, professionalism, communication, and more

Linear Solvers

- Created a calculator in JavaScript/HTML/CSS for solving an NxN system of linear equations with the substitution method. This calculator will display all of the steps taken to solve the system to the user
- Created a similar calculator in JavaScript/HTML/CSS for solving an NxM system of linear equations using Gaussian Elimination

Sudoku Solver

- Created a Sudoku solver in JavaScript/HTML/CSS for solving any sudoku puzzle

EDUCATION**The University of Houston****Bachelor of Science in Computer Science**

September 2016

The University of Texas at Austin**Bachelor of Science in Mathematics**

May 2015