Sarah Chaisson

skchaiss@ncsu.edu

1520 Christina Lane #209 | Raleigh, North Carolina 27607 | 336-402-6027 | https://github.com/schaisso

Education

North Carolina State University, Raleigh, NC
Computer Programming Certificate, August 2018
Undergraduate Program for Post-Baccalaureate Students
Courses: Programming Concepts, Discrete Mathematics, C/Software Tools, Basic Computer Organization and Assembly Language, Concepts/Facilities of Operating Systems, Data Structures/Algorithms

University of North Carolina at Chapel Hill, Chapel Hill, NC
Bachelor of Science in Dental Hygiene**,** June 2013

Skills

Languages: Java, C, C++, Python, JavaScript
Web Technologies: HTML, HTML5, CSS
Databases: MySQL, PostgreSQL
Frameworks: JUnit, REST
Operating Systems: Linux, Windows
Tools: GIT, Jenkins, Eclipse, Atom, Repl.it, Slack

Work Experience

Dental Hygienist, Triangle Area, NC   September 2013-Present

- Worked on a full time and/or temporary basis in a lead clinical role in patient care.
- Consulted and advised in numerous offices on the current state of workflow efficiency, optimizing scheduling, common patient concerns and complaints, and upgrading/changing hardware and software for the business's needs and to improve all aspects of the business.
- Addressed IT concerns, including: Upgraded hardware (RAM in workstations and server, upgraded to gigabit LAN connections) to save the business money while upgrading to a new generation of EMR. Addressed concerns in HIPAA requirements and weaknesses in the setup of hardware, outdated and vulnerable software and personnel practices, trained co-workers on best practices in security. Regularly troubleshooted hardware while being responsible for selection of replacement parts/hardware, resulting in overall better lifespan on hardware selection to save the business from downtime from faulty/failed equipment.

Current Project

Custom software to streamline administrative, clinical, and management workflow in a dental office. CS concepts include: OOP, MVC with different views for different users/permissions (clinician, administrative, manager), iterative programming, UML diagramming, state change across the lifetime of a Patient, Operatory, and Procedure object, semaphores/critical section requirements for Provider resources, database used for user logins and insurance contracted rates, with PDF generator for treatment plan presentation and ability to send directly to patient for their consideration. Flagging and workflow with job priority sorting to alert users on high priority jobs based on deadlines and/or current needs. Special attention needed on security to maintain HIPAA compliance.
Proficiencies demonstrated: Java, Django, HTML/HTML5, CSS, Postgres, Eclipse, GIT, Jenkins

Extracurriculars

Learn to Code RDU: Community Hack Nights, Intro to Python, Learn JavaScript. **Code for Durham:** Affordable Housing Project. **Women in Tech Allies:** What's the Word on Wordpress?