

Nathan Streger

2804 Celinda Circle
College Station, Texas, 77845

830-837-2577
nathanstreger@gmail.com

OBJECTIVE

I am seeking a position that will utilize my interpersonal and programming skills to continue expanding my professional growth and software engineering knowledge in the key areas of full stack development, client-customer relations, and coordinating project work between team members.

WEBSITES

- Github Account – <https://github.com/nathanstreger>
- Live Personal Website – <https://nathanstreger.netlify.app>

RELEVANT EXPERIENCE

Reynolds and Reynolds, College Station, Texas
Software Developer – KeyTrak team

January 2020 – present

- Rewrote an application called KeyTrak to modernize the code base from C++ to .Net Framework; migrated legacy UI components to React / JavaScript front-end.
- Re-architected legacy system interfaces into modern REST APIs that simplified UI integration with React.
- Altered PostgreSQL database schema to create and modified stored procedures, triggers, tables, types, and views.
- Facilitated communications and project work between the KeyTrak team and the KeyTrak mobile development team.
- Worked with a team on an application called FOCUS to integrate cross-application functionality into KeyTrak and vice-versa. Communication between the two applications used a centralized hub to route Http requests to and from the applications.
- Created interfaces and modified a Keyboard Hook that would allow the application to intercept any keystrokes sent to the keyboard driver. Interfaces were created to allow a QR code scanning device and a barcode scanner to trigger functionality on the main application.
- Created an interface that would communicate with a signature capture device. This enabled “live” / wet digital signature capability in the application.
- Mentored a new member of the KeyTrak team from day one through his first couple of projects. Due to my teaching experience, the new team member grew very quickly and I was put in charge of mentoring new employees indefinitely. So far, I have tutored one other employee since being given this responsibility.
- Created documentation to help the team understand complex or multi-step procedures, such as re-imaging our test PCs, creating database backups and how to restore them onto a test PC, and a work-around that allowed us to simulate QR Code scans without needing a QR Code scanner or the KeyTrak mobile app.
- Received corrupt customer databases and recovered the data from them quickly and efficiently so that the customer could remain functioning.
- Developed and managed the creation of a new KeyTrak product called KeyTrak Education that expanded the KeyTrak brand into the education market sector. Split the development process into about 20 separate projects that would be completed in the course of three separate phases. Created and assigned the projects to team members with actionable steps and established deadlines. Managed ongoing project status throughout the three phases of development.
- Handled software releases and the KeyTrak team’s project statuses when my supervisor was on vacation.

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University-based Physics Research, College Station, Texas

May 2017 – August 2017

Research Intern

- Refined and maintained the large data acquisition software used by the lab.
- Created a multiplexer program in LabVIEW that also fit into the structure of the acquisition software.
- Prototyped a level meter to measure temperatures near absolute zero by measuring the capacitance between two mounted rods.

Personal Research and Practice

- Created a Windows Forms Application for a simple video game in C#. Built the game from scratch.
- Created a To-Do List in Java using the WindowBuilder extension to the Eclipse IDE.

TEACHING EXPERIENCE

Knox Junior High School, The Woodlands, TX

August 2018 – present

Teacher

- Taught advanced students in Algebra and Geometry and collaborated with colleagues to create lesson plans.
- Analyzed and discussed data from previous years to improve current teaching methods.

Mathnasium, College Station, Texas

May 2016 – December 2017

Instructor

- Taught attendees from ages 6 to 45 various math concepts from basic counting to Calculus II.
- Created learning plans based off of individual assessments tailored to each student's need.

Self-Employed, College Station, Texas

May 2014 – May 2018

Tutor

- Tutored students in Math (Calculus 1, 2, and 3) and Physics (Mechanics and Electromagnetism).

SKILLS

- Professional experience with C#, .NET Framework, React.js, SQL, PostgreSQL, CSS StyleSheets, and SVN Repository.
- Non-professional experience with Java, Python, C++, React-Native, Git/GitHub, and Windows Forms Apps
- Excellent teamwork and organizational skills. I enjoy collaborative efforts with other team members.

HONORS

- Received the Rookie Developer of the Year award in my first year at Reynolds and Reynolds.
- Received the Meritorious Performance Award for my performance on adding the QR code scanning functionality to the KeyTrak application and coordinating its use with our KeyTrak mobile team. This is an award given for exceptional effort on a project, such as communicating well with other development teams, quickly and efficiently dealing with issues that arise, and even came with a cash bonus.

EDUCATION

Texas A&M University, College Station, Texas

Graduation: May 2018

Degree: Bachelor of Arts in Mathematics and Physics