

# Tyler Kroposki

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## Technical Skills

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**Proficiencies:** JavaScript, Java, Python, R, PHP, HTML, CSS, Linux Scripting, PowerShell, MySQL, Git, ExpressJS, MongoDB, Android Studio, AWS Platform, Photoshop, Linux OS, REST APIs

**Familiar With:** C#, Assembly, React, JUnit, HBase, PostgreSQL, Google Cloud Platform, MS SQL Server

## Projects

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**Papyrus:** Senior Project | Responsive Full Stack Web-Application in NodeJS, Express, React & MongoDB

- Developed a paper-trading application that uses real-time data to simulate a realistic stock trading platform
- Implemented NodeJS REST API & MongoDB to fetch & send data to React frontend

**RLCPools:** Company Website | Full Stack Web-Application in NodeJS, Express, MongoDB & Bootstrap

- Designed & developed article system for owner to easily post photos & videos of landscaping projects
- AWS Platform used to implement SSL, Nginx, load balancing, Linux environment, security & monitoring

**Munchies:** Advanced Database Management Capstone | Full Stack Web-Application in NodeJS & MySQL

- Designed & developed a user-guided POS system with authentication, authorization, products, categories, checkout, user profiles & administration panel with reports
- Created ERD and UML to show data relations & internal process logic

**Portfolio:** Personal Website | Full-Stack Web-Application in NodeJS with MongoDB

- Developed a responsive article system to display projects & showcase professional experience
- AWS Platform used to implement SSL, Nginx, load balancing, Linux environment, security & monitoring

**SFTP App:** Android Development | Android App, PHP REST API with MySQL

- Created an Android app that provides easy file transfer between mobile devices & desktops with SFTP
- Users are given a protected directory on a wireless NAS that can be accessed through the app

**Best Cities:** R Project, Twitter data fetching, Data.gov & Kaggle data Sets

- Ranked best cities in US by local Twitter feeds, pollution, crime, entertainment, income, healthcare & more
- Utilized data aggregation, data manipulation, factor analysis, correlation analysis & sentiment analysis

**Reminder App:** Secure Software Development | Group Android Security Project, Google Firebase & JUnit

- Group developed a reminder application & ERD/UML with security as top priority using Google Firebase
- Tested login/registration, reminder creation, deletion, & modification, & OS security using JUnit

## Education

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**Pennsylvania College of Technology:** A Penn State Affiliate

**Williamsport, PA 17701**

**Bachelor of Science** – Major: Software Engineering & Information Management

**Expected: 12/21**

**Relevant Coursework:** Data Structures & Algorithms, Unix/Linux, Systems Analysis, Advanced Database Management, PL/SQL, Networking, Mobile Programming, Systems Programming, Operating Systems, Secure Software Development, Discrete Mathematics, Calculus III, Linear Algebra