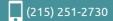# Alexander Cheth

Software Engineer

Team player with a can-do attitude, a curious mindset, and eager to constantly absorb new knowledge. Has developed several applications, including a visual progress reports.

✉ Acheth3433@gmail.com 📱 (215) 251-2730 📍 Philadelphia, PA, United States github.com/ac3433

WORK EXPERIENCE

Software Developer Co-op
SAP

Enterprise Application Software Company

03/2017 - 09/2017   Newtown Square, PA, United States

Achievement/Tasks

- Built a backend for service review app that reduced 8+ hours spent filling out weekly reports for 30+ internal teams and provide analytical data of the team progress to the managers – including RESTful API using Jersey (Java) with SQL integration.
- Developed the front-end of a feedback hub application using SAP Fiori (HTML, CSS, and JavaScript) to collect user feedback for 25+ different SAP internal services and store data to SQL database.
- Wrote Visual Basic and PowerShell scripts to completely automate testing for internal applications, saving 20+ hours of engineer time spent on testing

Application Support Co-op
Susquehanna International Group, LLP

International Investment Company

03/2016 - 09/2016   Philadelphia, PA, United States

Achievement/Tasks

- Developed an automatic TCP and UDP test script in Python that checks 200+ remote machines connections to 50+ customer's servers to ensure stock data are accessible during trading hours.
- Built a deployment application using WPF in .Net C# that reduced deployment errors for 20+ teams by error checking, compare previous deployment setup, and execute deployment scripts.
- Enhanced internal visualization apps with new features to display custom graphs for stock traders using JavaScript and SQL.

EDUCATION

Drexel University
Bachelor of Science in Computer Science

GPA: 3.3   *Graduated: June 2018*

AWARDS/ACTIVITIES

Top 4 in Drexel Senior Project Competition

1st place IT Apprentice National Engineer Week

Participated Hackathons

TECHNICAL SKILLS

Programming/Scripting Languages
Proficient
Java and C#

Familiar
MySQL, HTML, CSS, and JavaScript

Database
MySQL and SQLite

Tools
Confluence, Eclipse, Git, JIRA, Perforce, SQL Toad, Sublime, Unity Engine, and Visual Studio

Agile Methodologies
Scrum and Kanban

Certificates
A+ and IT Specialist

PROJECTS

Virtual Reality Stealth Game
C#, Unity Engine, Visual Studio, and NUnit

Collaborated with Drexel Virtual Reality department to develop a co-op virtual reality game using only one VR headset to have a multiplayer player experience without multiple headsets.

Drexel Class Scheduler
Java, MySQL, Android Studio

Built an Android app allowing Drexel students to select courses they want to take for their next term and then use those select courses to provide all the possible schedules students can choose from.

Skin on Me
Ionic, MongoDB, IBM Watson

Developed a mobile app allowing phones to scan the skin to determine what potential skin disease they may have using machine learning to increase success rate.

Othello AI
Java

Developed a game AI to play Othello using Alpha-beta pruning search algorithm to select the best choice of action to play against the players.