

EDUCATION

- **Georgia Institute of Technology (CS: 3.42/4.00)** Atlanta, GA
Dean's List, Pursuing Bachelor of Science in Computer Science August 2017 – May 2021
- **Conestoga High School** Berwyn, PA
Computer Science Scholar, John Philip Sousa Band Award Winner September 2013 – June 2017

EXPERIENCE

- **NCR (National Cash Register)** Atlanta, GA
Innovation Lab & Silver Software Engineering Summer Intern May 2018 – August 2018
 - Worked in an Android app with over one million lines of code, 19 modules, and hundreds of thousands of users worldwide.
 - Finished UI/UX redesign estimated for 700 hours in 70 hours.
 - Introduced instrumentation tests by implementing Espresso and UI Automator.
 - Assisted in architecting push notifications. Eliminated 5 minute order wait times.
 - Actively contributed in daily standups, retrospectives, and sprint plannings.
 - Solely responsible for development of the Innovation Lab's Android app.
- **Adaptive Digital Media Lab - Georgia Institute of Technology** Atlanta, GA
Researcher, QA analyst, and developer September 2017 – May 2018
 - Assisted in creating a NSF-funded project designed to introduce computing concepts using OpenFrameworks and C++. Created overlays and hardware simulators to allow development without hardware.
 - Brought a research project into a stable environment for deployment via QA testing.
- **Razer** Irvine, CA; Singapore
Insider Community Moderator, beta tester, and QA analyst July 2014 – Present
 - One of four global moderators that ensures day-to-day functionality of Razer's official forum of over 700,000 users. Communicates with a global team to coordinate events and manage situations.
- **Drexel University** Philadelphia, PA
Summer Intern June 2014 – June 2017
 - Developed a web interface and created a data set generator for procedural video game map generation using hierarchical Markov data chains.
 - Assisted in developing a program for visualization of driver data for medical diagnosis using Java OpenGL.

PROJECTS

- **Synople - https://synople.io** Social Tech Startup
Founder, CEO, and Chief Developer - Responsible for all programming and expansion April 2016 - Present
 - oneShare - Modern contact information sharing. Created the Android application and back-end.
 - sAudio - Adjusting music to fit your life. Created the Android application.

SKILLS

- **Technologies:** Java, Kotlin, Javascript, Python, Git, Android, OpenFrameworks, Espresso, UI Automator, AWS (DynamoDB, S3, Lambda, Cognito, IAM, Mobile Hub), Firebase (Authentication, Firestore, Cloud Messaging, Cloud Functions), JIRA, Confluence, TeamCity
- **Languages & Communication:** English, Chinese (Mandarin, native), Spanish (elementary), pitching, forum moderating
- **Concepts:** Object-orientated programming, mobile development, MVC, MVP, MVVM, Agile/Scrum, QA testing
- **Hobbies:** Bassoon - PMEA All-State Concert Band, Martial Arts - 9 years

AWARDS

- **Programming Competition Awards (>13 awards)**
Lead Developer
 - **InVenture Prize:** 2018: Semifinalist
 - **PennApps XVII:** 2018: Semifinalist
 - **hackGT:** 2017: Most Innovative Hack
 - **hackBCA:** 2017: Top 10 + Best Mobile App
 - **MIT Blueprint:** 2017: Best Continued Hack, 2016: 3rd Place Novice Division
 - **Swarthmore College Local Hack Day:** 2016: Best Overall