

EDUCATION

Northeastern University, Boston, MA
Bachelor of Science in Computer Science

2018 - 2022

WORK EXPERIENCE

- Bynder**, Boston, MA - Backend Software Engineer May 2022 - present
- Built a cloud-based automated reporting process (Docker, Kubernetes, AWS, Airflow)
 - Achieved higher reliability, scalability, and uptime vs the on-premise solution
 - Email notification system for report-related incidents
 - Implemented a new credential storage system for team credentials (1Password integration)
 - Increased team efficiency by eliminating the need to regenerate credentials
 - Improved migration process to move customers off deprecated infrastructure (Python, AWS)
 - New solution combined multiple previous processes and improved success rate
 - Developed a chrome extension for easy access to frequently used support templates
 - Turned a process that required a support ticket into a two second operation for customer facing teams
- BitSight**, Boston, MA - Software Developer Co-op July 2021 - December 2021
- Built a data pipeline from Django to Snowflake using Amazon S3 for file staging
 - Enhanced the speed and reliability of data processing
 - Constructed snowpipes for loading the S3 files to Snowflake when triggered by a SQS message
 - Ensures near-instant data availability for analytics
 - Tested all stages of the pipeline using Jenkins. Used Mocking for file upload tests
 - Increased reliability and minimized errors in the pipeline
- GMO**, Boston, MA - Front Office Systems Developer Co-op July 2020 - December 2020
- Created internal json APIs and dashboards with Python and Flask, hosted on Microsoft Azure
- Instantiations**, Raleigh, NC - Software Development Intern April 2019 - July 2020
- Developed various graphical applications and smart importer with VA Smalltalk

PROJECTS

- RegEx - Learning** ([RegEx](#))
- #1 Regex app on iOS and Android
 - Step-by-Step Lessons & Interactive Exercises built with Flutter
- Ammo Box** ([Ammo Box](#))
- Ammunition storage app that leverages barcode scanning and AI object detection (Dart/Flutter)
 - Cloud-based ammunition box-lookup pipeline (MLKit, Gemini, UPC databases, Firebase)
 - Trained a custom object/image detection model for counting rounds (Ultralytics)
- Nerv - Digital Business Cards** ([Nerv](#))
- Digital business card platform (Dart/Flutter, Firebase, Cloud Functions)
 - Includes integrations, web support, AI business card scanner, logging, analytics
- All Recent Projects** ([Recent Projects](#))
- Terrain Generation, Frogger Reinforcement Agent, Block Sorting Robot, Spreadsheet, etc. (Java, C++, Python)

COMPUTER KNOWLEDGE

Languages: Dart/Flutter, Java, Typescript/Javascript, Python, SQL, Smalltalk

Applications: Git, Jira, Google Cloud, AWS, Visual Studio, Android Studio, Xcode, MySQL, Unity, VA Smalltalk

VOLUNTEER EXPERIENCE

- Brownsea Staff**, Spirit of Adventure Council, Scouts BSA, Boston, MA June 2014 - present
- Teaching outdoor and leadership skills through a week-long program
- Scouts BSA**, Troop 19, Middleton MA April 2011 - present
- Advising the Youth Leadership as an Assistant Scoutmaster October 2017 - present
 - Earned Eagle Scout ([Eagle Project](#)) September 2015

INTERESTS

- Scouts BSA, Hiking, Camping, High Adventure