SHYLAH BANACH-CHIERA

845.802.3186 ∘ shylah.chiera@gmail.com

https://www.linkedin.com/in/shylah-banach-chiera-2b248a115 ∘ https://github.com/ShylahChiera

TECHNICAL SUMMARY

Languages:	MATLAB, Octave, HTML, CSS3, CSS, Javascript, XML, SPSS, Python, Java, Swift, Git, Twig
Software Applications:	Android Studio, AWS, Adobe Creative Suite, Xcode, phpMyAdmin, SketchApp, Microsoft Office Suite
Database Management:	MySQL
Operating Systems:	Mac OSX, Ubuntu, CentOS 7
Methodologies:	Agile, Scrum, Continuous Integration

EDUCATION

Bachelor of Science: Applied Mathematics
The City University of New York The City College of New York - New York, NY - September '15

Stanford University
Machine Learning - Course Certification (*In Progress*)

RELEVANT EXPERIENCE

Research Foundation of The City University of New York: Technical Consultant/Program coordinator 2/17 - present
- Coach computer science students from CUNY to create a software portfolio by tackling real-world problems
- Maintain working environment amongst teams by using Agile Software Development Methodology
- Guide students in career development, several students were able to get employment at fortune 500 companies

AOL/Verizon: Software Engineer 5/16 - 12/16
- Decreased company expenses by moving innovation lab website from Squarespace to company owned host (vrlab.aol.com)
- Increased user experience and company revenue by embedding 360 videos for client engagement on web app
- Increased customer interaction with company content by utilizing Android Studio and creating a Fire TV app
- Increased usability in client engagement demos by creating an Amazon Alexa app, programmed in javascript

CUNYCodes: Peer Mentor 9/16 -12/16
- Provided insight on Software Development life cycle
- Helped resolve impediments, while encouraging students to practice Agile/Scrum development
- Guided teams in practicing their pitch, while developing themselves professionally

CUNYCodes: Participant 2/16 - 5/16
- Selected for a ten-week intensive portfolio development program, in a cohort of thirty students
- Paid close attention to software development life cycle by following agile methodologies
- Designed and built mobile iOS travel app in Xcode with a working team of five students
- Integrated Google Maps API and Foursquare API to ensure precise location and discoverability
- Learned and built REST API to interact with our database for user information and credentials
- *Tools:* Xcode, phpMyAdmin, Amazon Web Services, FileZilla, Pivotal Tracker

Amazon Alexa Skill
- Created a trivia skill in Javascript to enhance education on the endangered species of Pandas
- Modeled a dictionary in JSON for Alexa Voice Services to access and retrieve data on questions asked
- *Tools:* AWS Lambda, Amazon Developer Console, AVS, JSON, Javascript

Photo Prediction
- Implemented linear regression to generate the missing half of a photo in MATLAB
- Applied the confidence interval to a given set of data and performed the prediction interval to obtain missing data
- *Tools:* MATLAB

COURSEWORK

Applied Mathematical Computation	Applied Statistics and Probability
Mathematical Statistics	Methods of Numerical Analysis
Elements of Combinatorics	Elements of Probability Theory