Htin Linn Aung
Software Engineer & Web Tech Consultant

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Experience

Present — **Data Analyst** — **Preparation for NYC Open Data Week 2019**
- Analyzed disease statistics & patterns in each neighborhood using NYC Open Data, Python 3, NumPy, Matplotlib, Pandas, Anaconda & Jupyter

Apr – May 2018 — **Software Engineer & Scrum Master** — **MeDefine Project**
- Managed & collaborated with a team of 4 developers for 2 intensive sprints & enhanced production rate
- Led series of user interviews, clarified user stories, initiated proper system design to meet the requirements & specifications of the project and ensured first prototype delivery on time
- Built a user authentication system with SSL encrypted remote database connection & password hashing by using Java-Servlets, MySQL, BCrypt, AWS, Apache Tomcat & JavaEE

Feb - Jun 2017 — **Intern (Software Engineering)** — **Neuromatters LLC**
- Assisted Program Manager & Lead Software Engineer with VR game development, integrating Oculus Rift with Brain Computer Interface Technologies (EEG)
- Created an immersive virtual world (Times Square) using Unity Game Engine & 'Go Map' API
- Independently conceptualized & built a data-visualization web player app by implementing D3 & VideoJS

Jun - Aug 2016 — **Intern (Software & Hardware Engineering)** — **BotFactory Inc**
- Assisted CTO & Lead Engineer with R&D projects by enhancing coordination for 3D printers & web apps
- Designed 2 PCBs (Printed Circuit Board) to test & specify functional limits of PCB 3D printers & web apps
- Analyzed & presented possible improvements in UX & accelerated weekly software update release rate

Education

2019 — **Queens College, CUNY, BS in Computer Science**
Highlight : Web Technologies, Database Systems, Operating Systems, Software Engineering, Data Structures, Algorithm Design-Analysis, Biometric Security & Privacy, OOP in Java, Algorithms for Big Data, Distributed Sys., Data Mining-Warehousing

2016 — **Laguardia C. College, CUNY, AS in Electrical Eng.**

Scholarships & Awards

2018 — IBM Vault Winner

2017 — NYC Tech Talent Pipeline Residency & Boot-camp Scholarship

2015 — Capital One Tech Entrepreneurship Scholarship & Seed Capital Award

2012 — Global Undergraduate Exchange Scholarship

Skills

Web Dev
JavaScript , HTML5, CSS3, D3, React, Redux, NodeJS, Express, Heroku, Java, Java Servlet, Apache Tomcat

DBMS
MySQL, MongoDB, Oracle, PostgreSQL

Knowledge
Object-oriented Design, Web Technologies, Data Structures, Algorithms, Agile Methodology

Data Analysis
Python 3, Anaconda, Jupyter, Matplotlib, NumPy, Pandas, Scipy

Tools
Git, GitHub, BitBucket, AWS, Command Line, Babel, Webpack, Bootstrap, UML Design, OpenGL

VR & Game Dev
C#, Unity, Oculus Rift, Go Map, Merge Cube

Recent Projects

Present — **Emaily, web app for surveys**
Using NodeJs, Express, React, Redux, Google OAuth 2, Stripe, MongoDB, Heroku, Git, etc.

2018 — **Facial-Voice Recognition Sys. & RSA Enc-Dec**
Using Eigenface, Fourier Transform, etc.

Models, Data Structures & Algo. for Big Data
Analyzed streaming models, Bloom Filter, Count-Min Sketch, Hashing, NN Conden., Decision Trees, etc.

Image Processing Algorithms
Customized Command Line Interpreter Shell
Web Scavenger Hunt & Crawlers
CPU Scheduling, Bank Semaphore Simulation
Normalizing NYC Dog Registration Database