Htin Linn Aung
Software Engineer & Web Tech Consultant

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Experience

Present — **Full-stack Engineer** — BotFactory Inc
- Built new custom features & upgraded existing features in ERP & CRM systems on Odoo for the company's engineering teams and sales teams using Python, XML, JavaScript, Java VM, QWeb, Linux.

Present — **Full-stack Engineer** — Emaily
- Designed & built a web app for managing email surveys using MERN stack (NodeJs, Express, React, Redux, PassportJS, Google OAuth 2, Stripe, MongoDB, Heroku, Git)

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
- Supported 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, OOP in Java, Data Structures, Operating Systems, Software Engineering, Algorithm Design & Analysis, Biometric Security & Privacy, Algorithms for Big Data, Distributed Computing, 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 UGRAD Exchange Scholarship

Skills

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

DBMS
MySQL, Oracle, MongoDB, PostgreSQL

Tools
Git, GitHub, BitBucket, Google Cloud, AWS, Heroku, Command Line, Babel, Webpack, Bootstrap, UML Design, Odoo, OpenGL

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

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

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

Recent Projects

Fall 2018
- Big Data Algorithms-Data Structures
- Facial-Voice Recognition Systems
- RSA Encryption-Decryption
- Image Processing Algorithms
- Customized Command Line Interpreter

Spring 2018
- Web Scavenger Hunt & Crawlers
- CPU Scheduling
- Bank Semaphore Simulation
- Normalizing NYC Dog Registration DB