



aungp@union.edu



(518) 612-9290



807 Union Street, Schenectady,
NY 12308



liup16.github.io



linkedin.com/in/pyae-sone-aung-01213665



github.com/liup16

SKILLS

Java Python C++

Arduino Swift Git

HTML XML CSS

JMeter PIC AWS

Matlab Formstack

WordPress

LANGUAGES

English



Burmese



INTERESTS

Soccer Ping Pong

Financial Markets

Patrick Aung

Computer Engineer

Welcomes complexity and ambiguity with roving curiosity. Collaborative leader and problem-solver. Seeking to apply expertise and extensive experience in software engineering and finance to take on challenging roles with a growing team.

EXPERIENCE

Assistant Web Developer

Information Technology Services, Union College [↗](#)

11/2016 – Present

Responsibilities

- Developed JMeter scripts and integrated with cloud-based load and performance testing platforms, including Flood IO and BlazeMeter, prior to launching the new Union College website.
- Created hosts files to manually map hostnames to a load balancer IP address for DNS override.
- Built and managed departmental WordPress sites using HTML, CSS, and Javascript.
- Designed an image upload system for the International Programs Department homepage rotating banner using Javascript and CSS.
- Created a Formstack workflow form for the Faculty Review Board.

Contact: Mina Evtimova – evtimovm@union.edu

Student Researcher

Computer Engineering Department, Union College [↗](#)

06/2018 – 08/2018

Commercial wheelchairs are expensive to be widely incorporated into centers for disability services. Union students designed a low-cost power mobility device by retrofitting a Fisher-Price children toy called the Wild Thing. My summer research focused on improving the existing prototype.

Achievements/Tasks

- Designed a breakout board to minimize wiring footprint of the control system.
- Implemented a mechanical switch and improved accuracy of battery measurement.
- Streamlined motor control code for runtime efficiency and used PID control to make platform move straight.

Contact: Dr. Cherrice Traver – traverc@union.edu

Web Developer Intern

Communications Office, Union College [↗](#)

11/2016 – 09/2017

Responsibilities

- Utilized Siteimprove, cloud-based web governance tool, for search engine optimization, quality assurance, and internal web policy conformance on the Union College websites.
- Fixed web errors using HTML and CSS and assisted in adding college newsletters and articles on the content management system.
- Improved web accessibility by creating Word and pPDF documents using established industry standards.

Contact: Jason Slater – slaterj@union.edu

LEADERSHIP

Co-President, Union College Robotics Crew (09/2016 – Present)

President, American Center Student Council of the U.S. Embassy in Burma (06/2012 – 03/2013)

Chair, Student Affairs Committee of the U.S. Embassy in Burma (04/2011 – 06/2012)

EDUCATION

Bachelor of Science | Computer Engineering

Union College

09/2015 – Present

Relevant Coursework

- Internet of Things | Computer Network Protocols | Data Communications and Network | Semiconductor Devices and Circuits | Data Structures | Algorithms |

GPA: 3.51