**Hein Moe Thu**

[(626) 464-3825](tel:626-464-3825) • [heinmoe32@gmail.com](mailto:heinmoe32@gmail.com)

[thu105.github.io](https://thu105.github.io/) • [www.linkedin.com/in/hein-thu/](http://www.linkedin.com/in/hein-thu/)

**EDUCATION**

**Chapman University**, Orange CA May 2018

Computer Science B.S., Economics Minor

*Related Courses: Data Structures & Algorithms, Database Management, Data Communication and Networking, Artificial Intelligence, Operating System, Data Science, High Performance Computing, Android App Development*

**SKILLS**

• Java, C#, C/C++, SQL, PowerShell, Python, R, VBS • Linux, macOS, Windows

• McAfee ePO, ConnectWise Manage, Ivanti EMSS, Nimsoft, Git • Bilingual: Burmese & English

• Visual Studio, Adobe Photoshop, R Studio, Android Studio, 3DS Max

**PROFESSIONAL EXPERIENCE**

**NOC Engineer at Alvaka Networks**, Irvine, CA Aug 2018 – Present

* Tier 2 End User Support (Windows, macOS, Android, iOS)
* Tier 2 Server Support (AD, Exchange, SQL, IIS, O365, Citrix)
* ConnectWise Manage Management
* Ivanti EMSS Management
* McAfee ePO Management
* Programming and Scripting for in-house applications (PowerShell, C#)
* SQL Server Management
* Trainer for Programming Internship Program
* Ransomware Consultant

**IT Support at Angela Sin Lway Chan MD Inc**, Bell Gardens, CA Summer 2017

* Setup and maintain network environment
* Server and workstation support
* Automation using Python scripts

**PROJECTS**

**ePO Revamp:** Project lead on redesigning and implementing a new ePO architecture to better support MSP operations. System trees, policies, client tasks, and server tasks were all reimplemented.

**PowerBI Dashboards:** (PowerShell, C#, SQL) Built several scripts and programs to extract data across multiple sources and inserted to SQL databases. PowerBI reads them and generate custom dashboards.

**Photo Mosaic**: (C++, OpenMP) A program that builds a database of images based on their average RGB values and then, uses it along with Canny Edge Detection to modify images into a photo mosaic. [Link](https://thu105.github.io/PhotoMosaic/)

**Crypto Feel**: (Java, XML) An Android application with MVC model utilizing up to 25 threads to scraps information using APIs and perform naïve Sentiment Analysis on related tweets of cryptocurrencies. [Link](https://thu105.github.io/Crypto-Feel/)

**Salem Witch Trial**: (Java) Multi-threaded, console-based online game and chat server that allows multiple clients to concurrently connect and play the game. [Link](https://github.com/khafa100/SalemWitchTrial)

**AWARDS, HONORS AND ACTIVITIES**

**Chapman User Experience Society** Mar 2017 – May 2018

* Student-run organization advocating usability, human-computer interaction, and effective design
  + Sample project: [Nikkei Student Union](https://band-master-howls-81162.netlify.com/" \l "engineering) website

**ASA DataFest** Apr 2017

* Produced heatmaps to visually show correlation between distance travelled and location of international airports in dataset provided by Expedia