

Shiang-En(Sean) Lu

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San Jose, CA

[LinkedIn](#)

[Github](#)

Qualifications

- 6 years' experience in software development, test development.
- 3 years' experience in software team lead in a group of 4
- In charge of all of the code review, system design and software development pipeline.

Work experience

Super Micro - Software Engineer

2015 - present

San Jose, CA

- Built application that provided real time inventory checking in different warehouses and provide weekly/monthly/quarterly stock status
- Developed automatic system testing application that perform config check, stress test, network traffic test, ac cycle test boost up 70% of efficiency or more on manufacturing process
- Developed automatic tool for product license activation, and BIOS /IPMI firmware update that improve 20% of manufacturing process
- Built FMS (Facility management system) web-based platform for facility team to upload and manage their insurance files
- Built (Live BI monitor) web-based application to assist manufacturing floor decreasing 30% of system idle time.
- Built MIC (Manufacture Information Center) web-based dashboard to tack the order status, boost up 40% of productivity or more and increasing on time delivery 30% as well as customer satisfaction.
- Worked with engineers to build (Smart BI system) web-based platform to minimize the system testing cycle by 80%
- Oversaw a team of 4 on system design, development pipeline, scalable code, post deployment maintenance

Kingston Technology - Associate Engineer

Aug 2015 - Oct 2015

Fountain valley, CA

- Developed and modified software (MMTool) in C++ for technicians to ran and generated the testing results
- Modified Serial Presence Detect (SPD) check function program in C++, the program will read and write the SPD data, which is stored in EEPROM, locating on a DDR4 module.
- Redesigned data structures and algorithms which boosted program running time by 10%
- Provided technical support on validates the DIMM module's reliability, functionality, to reach the customers' demands

Mount Technology - Associate Engineer

Aug 2010 - Jul 2011

Taipei, Taiwan

- Provided process-engineering support in SMD (Surface Mount Device) operations, conducting training to technicians and operators, and implementing inspection on finished products.
- Worked with software manager on upscaling the ERP system to eliminate excess manual processes.
- Was in charge for customer quality and supplier quality, doing return material analysis.

Projects

AI Face Recognition Brain ([Link](#))

- Built a website for user that can login to their account with their own submission
- Built a feature that will detect human's face on a jpg file
- Deployed on Heroku with frontend using React.JS, RESTful API using Express.JS and database using PostgreSQL

Technical Skills

- Programming languages: Python, JavaScript, Java, C, C++, C#, PHP, TCL, Shell Scripting
- Frontend Development: HTML5/CSS3, React.JS, Bootstrap, JSON, XML
- Backend Development: Node.JS, ASP.NET, Django, XAMPP, RESTful API, Postman, SQL (SQL Server, MySQL, PostgreSQL), NoSQL (MongoDB)
- DevOps: Docker, Jenkins, Gitlab runner (CI/CD), Gitlab Issues (Jira), Selenium, Test Automation
- Could: IIS, Heroku, AWS
- Version Control Tools: Git, Gitlab, GitHub
- Operating System: Linux, Windows, OSX

Education

New York University - M.S., Computer Engineering

Sep 2013 - May 2015

NY, NY