ANN LIN
FULL STACK SOFTWARE ENGINEER

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Skills

Proficient	Javascript, React, Redux, NodeJS, Express, Sequelize, PostgreSQL, HTML5, CSS3, SQL, Restful API, Git, Arduino, Processing 2.0, Grasshopper 3D, RhinoCAM, Computer Numeral Control(CNC)
Knowledgeable	Python, Ruby, Java, AWS S3
Others	Visual Communication, Teamwork, Problem Solving, Critical Thinking, Project Management, CAD

Selected Projects

NNMLN | Front End Developer | *Ongoing*   2019
React, React Spring, Javascript, HTML, CSS, NodeJS
github.com/AnnMLin/nnmln

A single page app using React's component architecture, focused on front end effects and animation.
- Leveraged React-Spring APIs to build fluid animation effects.
- Implemented React Hooks for slimmer code base and jQuery for easy DOM manipulation.

Build-A-Mate | Full Stack Developer | *Duration: 3 weeks*   2019
React, Redux, Javascript, NodeJS, Express, Sequelize, PostgreSQL, MaterialUI, React DnD, Photoshop
github.com/fsa-capstone-team/build-a-mate

An online dating app that presents profiles and candidates by imagery. Utilizing a drag-and-drop interface to select ideal facial features, users can find their match in the database with machine learning libraries that sort results based on the desired features.
- Implemented face-api.js for facial computation and integrated Imgur API to host image data.
- Constructed photo upload and facial construction features across the stack using React, Express, Sequelize.
- Designed PostgreSQL schemas.
- Architected data flow and management to optimize performance and reduce server loads.

Presence and Absence of The Body | Sole Developer | *Duration: 6 months*   2015
Processing 2.0, Java, C++, Arduino, LabVIEW
Demo Video : www.youtube.com/watch?v=pl25EXSgB4E
Issuu Link : issuu.com/margnlin/docs/presence_and_absence_of_the_body

A robot with bio-mimicry components that is capable of sensing a user's movements, synchronously imitate, and live stream captured visions to goggles utilizing Arduino board, stepper motors, micro servo, and IMU 6DOF sensors.
- Built Arduino code to control micro servos and stepper motors.
- Solved data offsets and drifts and interpreted angular data using visual programming language in LabVIEW.
- Optimized hardware performance and resolved hardware tolerance offsets with Arduino code.

Sol_ID | Team Member | *Duration: 1 year*   2015
Grasshopper 3D, Processing 2.0, Java
github.com/AnnMLin/sol_id

Solution for the future of sustainable social housing in the tropics. Proposal for Solar Decathlon Latin America and Caribbean.
- Evaluated architectural form and details using Processing 2.0, Java, and visual programming language.

Work Experience

Acrobatic Dance/Fitness Instructor | **Certified Freelance Dance Instructor for Adults** - NY   2018 - Present
- Effectively designs, plans, and teaches group and individuals classes.
- Motivates and supports clients to achieve personal goals by communication and hands-on assistance.
- Proactively researches, learns, and interprets new movement techniques to meet evolving clients needs.

Junior Architect | **Shakespear Gordon Vlado Architect** - New York, NY   2016 - 2017
- Built CAD technical documentation, debugged and revised documentation to improve work efficiency.
- Delivered presentations and performed multiple design iteration based on client feedback.
- Coordinated and managed drawings to achieve the desired objective with deadlines and quality in mind.

Solar Decathlete Team Member | **HelioMet** - London, UK   2014 - 2015
- Reduced 10% of material cost of the project by redesigning the structure.
- Supervised operations of Computer Numeral Control(CNC) and Building Information Modeling (BIM).
- Pioneered parametric design using Java and visual programming languages for form computation.
- Resolved conflicts and achieved desired goals under the pressure of time and budget by quickly addressing problems and effectively communicating between departments.

Education

Fullstack Academy of Code | Full-time Software Engineering Program - New York, NY   2019

London Metropolitan University | MA Digital Architecture & Manufacture - London, UK | *pass with* **Distinction**   2015