

Ting-Sheng (Leo) Lin / Software Engineer Intern

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EDUCATION

Carnegie Mellon University - Entertainment Technology Center <i>Master of Entertainment Technology</i>	Pittsburgh, PA Aug 2019 – Expected May 2021
University of Twente <i>Exchange Student Program, Bachelor of Science, Computer Science</i>	Enschede, Netherlands Jan 2016 – Jul 2016
National Chiao Tung University <i>Bachelor of Science, Computer Science</i>	Hsinchu, Taiwan Sep 2012 – Jul 2016
<ul style="list-style-type: none">– Relevant Courses: Digital Gaming and Learning , Artificial Intelligence (Python), DataBase System (SQL), Data Structure (C++), The Analysis of Algorithms (C++), Operating System (C++)	

SKILLS

Programming Languages	JavaScript, TypeScript, Python, PHP, C++, C#, C, SQL, HTML, CSS, Java, Verilog
Web Frameworks	Node.js, Express.js, Vue.js, Laravel (PHP)
Tools & Platforms	Git, AWS, GCP, MongoDB, MySQL, Sequelize, SendGrid, Nodemon, Lodash, Bootstrap

EXPERIENCE

SparkAmplify, American-funded Startup <i>Software Engineer</i>	Taipei, Taiwan May 2018 – May 2019
<ul style="list-style-type: none">• Brand-Media AI-matching Platform<ul style="list-style-type: none">– Developed RESTful APIs to operate data in the platform that provides the best-matched media information for brand customers who want press coverage, and the best-matched brands for the media customers who want stories vice versa. (<i>Git, Express.js, Typescript, Sequelize, MongoDB</i>)– Constructed dashboard service for users by collecting analytics and evaluating the effects of the usage. (<i>Google Analytics, Google Tag Manager, AWS: Lambda, S3</i>)• Internal Outreach Web Application<ul style="list-style-type: none">– Built up the internal web application for the marketing team to analyze users' placements. (<i>PHP, Laravel, MySQL, MongoDB, Redis, Vue.js</i>)– Improved efficiency of a few-hours weekly outreach process by simplifying manual data analyzing into one online flow and automating the creation of the outreach campaign. (<i>SendGrid API</i>)• Data Parsing and Polishing Service<ul style="list-style-type: none">– Created data modifying service that can parse email content and polish media's location information. (<i>Python, Node.js, GCP: Cloud Function, Geocoding, AWS: Lambda, SES, S3, SQS</i>)• Auto Notification Email Service<ul style="list-style-type: none">– Implemented a monitoring service to send corresponding notification emails to new users depending on different circumstances. (<i>SendGrid API, MySQL, AWS: Lambda</i>)	

ACADEMIC PROJECTS

Self-Projects

- **Simple Twitter** (Website: <https://ppt.cc/f3E3Zx>) (code: <https://ppt.cc/fzGlwx>) **Jun 2019 – July 2019**
 - Designed a twitter-simulative social network platform where users can log in, establish profiles, tweet, reply to tweets, like comments, and follow other twitters. (*Git, Express.js, Handlebars, Bootstrap, MySQL, Heroku*)
 - Led two software engineers and managed the project with **Scrum** and **Kanban** method. (*GitHub, Trello*)

National Chiao Tung University

- **Motion-Sensing Game** (Demo: <https://ppt.cc/fuXyWx>) (code: <https://ppt.cc/fln8Nx>) **Sep 2015 – Dec 2015**
 - Developed a motion-sensing game based on **Kinect2 SDK** in **C#** and demonstrated it in the **Talent Cultivation Program for Smart Living** held by the Ministry of Education.
 - Implemented motion sensing controls for the game character.
 - Devised the enemies' **AI** that controls the behaviors of enemy minions and boss.
- **Pacman Battle Artificial Intelligence** **May 2015**
 - Designed 3 minions' AI based on **depth-first search** algorithm to attack enemy base and defense our own in "Pacman" battle competition and won the second place among 16 teams. (*Python*)
- **Android app – Photo Instant Backup** (code: <https://ppt.cc/fmMNFx>) **Jan 2015**
 - Constructed the photo instant backup service that uploads photos with their GPS location information immediately while photographing. (*JAVA, Android Studio*)