Owen Chung

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EDUCATION

Duke University, Durham, May 2017
B.ENG. Electrical and Computer Engineering & B.S. Computer Science | CS GPA: **4.00**, Overall *GPA* **3.84**

COURSEWORK

Operating Systems	Software Design & Implementation	Algorithms
Digital Systems	Fault Tolerance Systems	Databases
Computer Architecture	Computation Methods(MATLAB)	Intro to ECE
Multivariable Calculus	Linear Algebra	Differential Equations

SELECTED PROJECTS

SLOGO | Java
- Collaborated in a team of 4 to design an integrated development environment (IDE) for Logo programming language
- Individually implemented a Model-View-Controller that integrates frontend GUI with backend expression parse tree
- Responsible for designing a modular and interactive GUI to display turtle commands using JavaFX

AJS Terminal | Verilog and MIPS assembly
- Designed and Implemented a terminal that takes in simple commands using MIPS and Verilog Built pipelined processor.

Synchronization and Multithreading | C++
- Designed and Implemented a user-level thread library with locks using C++ uContext API.

SKILLS

- Language: JavaFX, Java, Verilog, C, C++, Arduino, MATLAB,
- Development Tools: Linux, Git, Latex, Quartus
- OO Design, Design Patterns, Circuits, PSPICE, Algorithms, Relational Algebra

WORK EXPERIENCE

Duke University | Durham, NC | *Teaching Assistant*   Jan 2015 - May 2016
- UTA for ECE 110 Arduino and Robots - Arduino programming, circuitry and robot design
- UTA for ECE 331 - Microelectronics and integrated circuit design.
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Sanfar Property | Taipei, Taiwan | *Technology Associate*   June 2016 - Present
- Identified the slow loading speed and outdated design of the organization's official website. Designed the structure and led the development of a demo website (sanfarhomes.com) with HTML/JavaScript/CSS. New website to be launched by the end of 2016.
- Led a team of seven interns in summer and launched an online community for college students who actively seek career options. (http://2016giveitashot.wixsite.com/giveitashot)

LEADERSHIP & TEAM EXPERIENCE

Duke IEEE Student Branch | Durham, NC | *President*   January 2015 - May 2016
- Built circuits and Arduino software for electric pumps of a drink making robot that served drinks to 200+ Duke engineering alumni.
- Built stronger reputation of IEEE among Duke community by actively demonstrating projects to student body and establishing closer relationship with faculty. Club's membership doubled within one year.

Taiwanese American Student Assoication | Durham, NC | *President*   August 2015 – May 2016
- Restructured organization's executive board to evenly allocate responsibilities between board members. Clear responsibilities enhance team dynamics and efficiency at meetings and quality of events.

INTERESTS

- Club baseball, pick-up basketball, reading biographies, promoting environmental awareness