Chelsea Chan

cc987@cornell.edu | chelseachan.me | (347)-721 8332

EDUCATION

Expected May 2019

Cornell University, College of Engineering, Ithaca, NY
- B.S. Information Science, Systems, and Technology
- Relevant Courses: Object-Oriented Programming and Data Structures in Java, Data-Driven Web Applications, Machine Learning, Networks, Teams and Technology

Jul - Aug 2018

New York University, Tisch School of the Arts, New York City, NY
- Music Production & Music Business

EXPERIENCE

Jun - Aug 2017

Silverlake Axis, Kuala Lumpur, Malaysia
Software Developer Intern
- Worked with 7 engineers to build fraud detection services and financial technology solutions using JavaScript and C#
- Designed and built responsive web applications by improving existing code
- Enabled secure connections to large database systems using SQL and XML

Sep 2017 - May 2018

Guac Magazine, Cornell University, Ithaca, NY
Front End Web Developer
- Built a responsive website for mobile and desktop for the award winning travel magazine using JavaScript and Bootstrap
- Implemented interactive world map UI and data visualizations using D3
- Facilitated cross functional collaboration to create a cohesive product

Jan - May 2017

Social Computing Lab, Cornell University, Ithaca, NY
Research Assistant
- Developed and prototyped projects combining music, multi-media art and HCI
- Constructed physical user interfaces with Arduino, MIDI programming, 3D printing and laser cutting

PROJECTS

Sep 2018 - Present

Pauseture, Independent Research, People-Aware Computing Lab
- Designed and built a posture-correcting device by attaching micro-LIDAR distance sensors onto headphones
- Conducting user studies and publishing the results in a research paper to the Ubiquitous Computing journal
- *Utilized: Python, Raspberry Pi, Web programming (JavaScript), Multi-meter*

Aug – Dec 2018

Musical Cubes, INFO 4320 Rapid Prototyping & Physical Computing
- Built an interactive Bluetooth device that plays MIDI notes based on color sensor input, including capacitive touch sensors to select different musical instruments
- *Utilized: C programming, MIDI programming, Arduino, Laser-cutting, CAD modeling*

Jul 2017 – Present

JAIE, Independent singer-songwriter, music producer and audio engineer
- Artist development and marketing strategy through live gigs, online content and collaborations with other artists and brands
- 1.3 million streams, 140k monthly listeners on Spotify
- *Utilized: Sound design, Logic Pro X, Pro Tools*

SKILLS

Development: JavaScript (D3, Node.js, React), HTML, CSS, PHP, SQL, Java, MATLAB
Additional: GitHub, Bootstrap, Arduino, MIDI programming
Languages: Mandarin, Cantonese, Malay