

STANLEY LIM

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EDUCATION

Stony Brook University, Stony Brook

Computer Science • GPA 3.88 • 2016-2019 (Dec.)

COURSES

Fundamentals in Data Structures

Systematic Programming, Designing, and Testing

Analysis of Algorithms *Optimization, NP-Completeness*

System Fundamentals I *CPU Architecture, Processors*

Theory of Computation *Turing Machines, Finite Automata*

Finite Mathematical Structures *Graphs, Combinatorics*

React.js – Mastering Redux *Udemy (David Katz)*

EXPERIENCE

Teaching Assistant for System Fundamentals

Teaching Assistant | Sept. 2017 - Present

- Taught small classes the concepts of computer organization, processor architecture, and the memory system. Helped introduce MIPS Assembly programming language.
- Held office hours for 3 hours each week to help individual students with concepts and debugging programs.

SBU Web/App Development Club

Lead Front-End Developer / VP | Sept. 2016 – May 2017

- Organized meetings and gave talks on web design for responsive layouts, optimizing static files, and deploying and managing websites with Heroku and cPanel.

Ecosia Search Engine Partnership

Independent Developer | Feb. 2016 - Present

- Worked in conjunction with Ecosia to raise funds for their reforestation programs in Peru (Pur Project), Madagascar (Eden Project), and Burkina Faso (WeForest/OZG).

PROJECTS

Dec. 2011 - Present

Polarity | VB.NET / HTML / JS

- Fast web browser built to optimized memory consumption through active garbage collection leading to substantially lower RAM usage.
- Received over **1,000,000 downloads** since release in 2013 averaging 4 stars on popular download sites like CNET and Softpedia.

Nimbus | JS + Node.js / HTML / CSS / PHP

 Apr. 2017 – Present

- A RESTful responsive web app designed to fetch random songs by default, songs based on user query, and songs related to the users' musical taste from SoundCloud

Cirrus | CSS / JS

Dec. 2016 – Present

- A modern, flexible CSS framework designed for rapid prototyping and easy styling for websites and web apps.
- Smaller than other CSS frameworks with lots of components using only 13.5kb when minified and gzipped.

Attendance | Java

Aug 2017 - Present

- A fast, live image ID verification system powered by Google Text Recognition API/Tesseract OCR.
- Designed to be much faster than traditionally signing in by typing all student credentials.

TOOLS

LANGUAGES

Java

CSS / Sass / Less

JavaScript

.NET (VB.NET / C#) / VB

MIPS Assembly

FRAMEWORKS AND SOFTWARE

React / Redux

Android

Gulp / Webpack / Express

Photoshop / Illustrator

Heroku