

ANDREW TSENG

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EDUCATION

University of Texas at Austin
Bachelor of Science in Computer Science GPA: 3.0

December 2018

EXPERIENCE

Vast.com
Product and Software Intern

Summer 2017
Austin, TX

- Managed mySQL databases and delivered data to data science team to run analysis. (Scala & MySQL)
- Designed pop up car event for private dealers and buyers to gather for talks and negotiations.
- Utilized CarStory's (product of Vast) data to create an iOS app to display detail pages of every car.
- Worked with a team of developers, and designers to convert designs to the CarStory website/app with HTML/CSS/Javascript.

Compal Electronics
Software Engineer Intern, AS2

Summer 2016
Taipei, Taiwan

- Rewrote developer pages that held food calorie values from JS to React.
- Developed sanity tests to help with continuous integration and finding bugs on every push to project repo in Python3.
- Participated in the release of the developer version of third-party fitness application called FIT.
- Worked in agile development cycle with team of 8 developers with 1 product manager.

Teaching Assistant
Dr. Bill Bulko, University of Texas

Spring 2016, 2017
Austin, TX

- Led discussion sections that reviewed topics of the week's lectures.
- Helped grade weekly homework and proctored mid-terms/finals.
- Wrote up weekly homework problems to go over during discussion sections.

RECENT AND PERSONAL PROJECTS

Face Detector

May 2018

- Course-project that is used to detect heads or faces within an image.
- Utilizes the algorithm and tools suggested from the [Dalal-Triggs face detector paper](#).
- Marks an accurate-precision of about 0.897.

Image Resizer

May 2018

- Image resizer that resizes images with the seam-carving and seam-painting algorithm in MATLAB.

Type Inference in C

December 2017

- Implemented type inference features in C with the **auto** keyword.
- Created symbol table and file rewrite in replacing auto keyword to correct type.
- Rewrites the auto keyword to the type that it infers based on the C-program.

Lilypond Parser

Nov 2017

- Facebook chat bot that takes in a set text syntax and returns a pdf file of the text as a music sheet using the Lilypond parser.
- Written during HackTX 2017 with a team of 5 developers.

toybox

ongoing

- Git repository to discover new technologies or work on fresh new projects.
- Contains coding interview practice, tutorial practice, and minor project ideas.
- Github link to the repository: [toybox](#).

LANGUAGE AND FRAMEWORKS

Experienced	C++, C, Python, Java, Javascript (React framework), bash
Familiar	MATLAB, R, Weka, git