

# Lucas Kjærø

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## EXPERIENCE

### Software Engineer in Quality

### Intuit (Via Tek-Systems)

August 2017-Present

San Diego, CA

Designed and expanded test suites for Free File Fillable Forms, including unit, service, UI, and performance tests as the project's sole quality engineer. Participated in all aspects of migrating tax forms between different TurboTax tax engines. Developed an internal tool to speed creation of tax calculation testing.

### Heinz College ITLab Fellow

### Carnegie Mellon University

June 2014-August 2014

Pittsburgh, PA

Created and deployed mobile technology to track parking lot usage in Pittsburgh with a team of information system researchers. Coursework included mathematically modeling decisions using Excel, and designing a website to disrupt the healthcare industry by organizing and providing transparent pricing information.

### Information Technology Intern

### Austin College

June 2013-November 2014

Sherman, TX

Prepared and deployed 80 computers for 5 computer labs for the opening of Austin College's new science building. Provided first line of technical support for all faculty, students and staff.

## PROJECTS

**MNIST:** Created a computer vision model to recognize handwritten digits with 99% accuracy. Model ranked in the top 36% globally of all Kaggle users. Used a Convolutional Neural Network implemented in TensorFlow. *Github*

**Algorithmic Trading:** Utilized broker's Java API to create trading algorithms. Used moving averages and other indicators to find and purchase promising stocks. Made \$10,000 (virtual) in the first day of testing. *Github*

**Chinese Vocabulary Finder:** Used open source libraries, and natural language processing algorithms to tokenize and find unfamiliar words in Chinese text to aid learning. *Github*

**Puzzle-8:** Created an object-oriented Python program to solve sliding tile puzzles with an A\* search and multiple heuristics. Finds solutions with the fewest possible number of moves. *Source upon request.*

## SKILLS

**Technologies (Mastery):** Java, Jenkins, Python, Selenium

**Technologies (Experience):** Django, Gatling, Keras, Scala, Scikit-Learn, SQL

**Technologies (Exposure):** C, Javascript, Numpy, Pandas, Splunk, Tensorflow.

**Natural Languages:** Danish (Native), English (Native), Mandarin Chinese (Working Proficiency)

## EDUCATION

**Austin College, Sherman, TX**

Bachelor of Arts, Cum Laude, May 2015

Majors: Computer Science and Chinese

Overall GPA: 3.66

Computer Science GPA: 3.71

## HONORS

Shellene Kelley Scholarship for an Outstanding Student in Computer Science 2014

Austin College Presidential Merit Scholarship

Fall 2011 - Spring 2015

**LEADERSHIP**

Kaggle machine learning competition, *Team Leader*  
AC Day Trading Club, *President and Founding Member*  
Rho Lambda Theta, *President*

May 2017 - August 2017  
Spring 2012 - Fall 2013  
Fall 2014 - Spring 2015