

Anthony Tong

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EDUCATION

Georgia Institute of Technology	Expected May 2021
M.S. in Computer Science, GPA: 4.00	
University of California, Berkeley	Class of 2016
M.S. in Chemical Engineering, GPA: 3.83	
University of California, Irvine	Class of 2015
B.S. in Chemical Engineering, GPA: 3.69, <i>Cum Laude</i> Honors	

RELEVANT COURSES

Data Structures and Algorithms, Software Development Process, Database Systems and Design, Machine Learning, Computer Networks, Knowledge Based AI, Numerical Methods, Programming in C++, Operating Systems

TECHNICAL SKILLS

Programming Languages: Python, Java, C/C++, PostgreSQL, MatLab, Ruby, Git
Web: Html, JavaScript, CSS, Flask, Node.js, React.js, Spring, jQuery, JSON, Bootstrap
Data Analysis Libraries: Scikit learn, ABAGAIL, Pandas, Numpy, Matplotlib
IDE's: IntelliJ, Eclipse, Visual Studios

PROFESSIONAL EXPERIENCE

Paypal , San Jose, CA	May 2020 - Present
Software Engineer Intern	
<ul style="list-style-type: none"><i>Technologies:</i> Node.js, React, Kraken, JavaScript, Raptor, Spring, JavaDeveloped an internal web application using Node.js and Java Spring used by the business operations team to create new payment transactions and to query metadata for different payment instrumentsCreated a responsive frontend interface using React to take in user input and display query resultsParticipate in biweekly software engineering sprints as part of a team of 9 software engineers to facilitate agile development	
TowerJazz Semiconductors , Newport Beach, CA	May 2017 – May 2020
Process Engineer II – Yield Enhancement	
<ul style="list-style-type: none">Analyze defect data trends and use Statistical Process Control techniques to identify yield limiting tools/processes and provide troubleshooting recommendations	

PROJECTS

Burdell's Car Dealership Web App
<ul style="list-style-type: none"><i>Technologies:</i> Python, Flask, PostgreSQL, JQuery, BootstrapWorked in a team of 4 students to design and implement a RESTful web application to process and document sales, purchases, repairs, and employee performance for a car dealershipDocumented and analyzed data flow for the relational database using IFD and EER diagramsImplemented relational database and web app using the Flask framework and PostgreSQL
Supervised Learning Survey
<ul style="list-style-type: none"><i>Technologies:</i> Python, Scikit Learn, pandas, numpy, matplotlibImplemented and optimized various machine learning algorithms, including decision trees, neural networks, SVMs, and K-nearest neighbors, using scikit learn to classify vehicle types in images based on features derived from their silhouettesAnalyzed and compared the performance of each algorithm in terms of classification accuracy and runtimeVisualized machine learning performance using cross validation and learning curves via the Matplotlib library
Mak Web App
<ul style="list-style-type: none"><i>Technologies:</i> Ruby on Rails, Cucumber, Rspec testing, JavaScript, BootstrapDeveloped a full stack web application in a team of 6 students using the Ruby on Rails framework to help a client connect low income minority students with 3D printing training programsApplied Agile software development techniques, including test-driven development, behavior-driven development, and pair programming, to facilitate rapid web developmentImplemented various functionalities, including registration/logins for users and administrators as well as task assignments