






EDUCATION	<div>Cornell University, Ithaca, NY</div> <div>B.A. in Computer Science, History Minor</div> <div>GPA: 4.17 / 4.00 Dean's List for Excellence in Scholarship (all semesters)</div>	Aug 2019 - May 2023 (expected)
COURSEWORK	<div>CS 6820: Analysis of Algorithms* CS 6670: Computer Vision* CS 4414: Systems Programming*</div> <div>* = in progress CS 4820: Algorithms† CS 4780: Machine Learning† CS 3110: Functional Programming</div> <div>† = teaching CS 4450: Computer Networks CS 3410: System Organization CS 2110: Data Structures & OOP†</div> <div>assistant CS 2800: Discrete Structures MATH 2210: Linear Algebra ENGRD 2700: Probability</div>	
SKILLS	<div>Languages Python, OCaml, Typescript, JavaScript, C/C++, Java, HTML/CSS, Bash</div> <div>Technologies React, Angular, PyTorch, Redux, Flask, Git, Jupyter</div>	
EXPERIENCE	<div>Google, Inc., Sunnyvale, CA (Remote)</div> <div>STEP Intern, Google Cloud AI</div> <div><ul style="list-style-type: none">Designed and developed hyperparameter configuration suite enabling on-the-fly redeployment of model training, one of the most internally and externally requested features, for the recently launched Visual Inspection AI productFull-stack development with Angular, HTML/CSS, GraphQL, and a Google Spanner databaseImplemented entity tag support for backend operations using C++ and protocol buffers, reducing vulnerability to race conditions and improving product scalability</div> <div>YITU Technology, Singapore</div> <div>Research and Development Intern</div> <div><ul style="list-style-type: none">Researched and implemented proprietary instance detection and orientation classification models in PyTorch to detect and classify identity cards in input images, decreasing mean absolute error by more than 20% relative to previous solutionClassified presence of lung inflammation in MRI scans, utilizing logistic regression and random forest classifier, for use in publication in European Journal of Nuclear Medicine and Molecular Imaging</div> <div>Cornell University Unmanned Aerial Systems, Ithaca, NY</div> <div>Software Engineer, Subteam Lead</div> <div><ul style="list-style-type: none">Software engineer and incoming subteam lead at top undergraduate fixed-wing aircraft team, which manufactures a custom plane yearly to accomplish autonomous navigation and target identificationImplemented end-to-end framework for training and evaluating machine learning models in PyTorch on images captured from autonomous aircraft, used by entire subteamArchitected and deployed a new web service using React, Flask, and MySQL, for use on all flights, to run segmentation and classification algorithms on collected images</div>	<div>May 2021 - Aug 2021</div> <div>May 2020 - Aug 2020</div> <div>Oct 2019 - present</div>
PREPRINTS & PUBLICATIONS	<div>Edge Proposal Sets for Link Prediction  </div> <div>Abhay Singh, Qian Huang, Linda Huang, Omkar Bhalerao, Horace He, Ser-Nam Lim, Austin Benson</div> <div>Large Scale Learning on Non-Homophilous Graphs: New Benchmarks and Strong Simple Methods</div> <div>Derek Lim, Felix Hohne, Xiuyu Li, Linda Huang, Vaishnavi Gupta, Omkar Bhalerao, Ser-Nam Lim</div>	<div>(under submission)</div> <div>(under submission)</div>
PROJECTS	<div>Skeddaddle Camel </div> <div>Animated Pomodoro Timer </div> <div>Interactive Tax Calculator </div>	<div>Created interactive maze game in OCaml utilizing model-view-controller and state design patterns, in team of 4</div> <div>Implemented and deployed React/Redux app with Pomodoro timer functionality as a Chrome extension, with static and dynamic assets designed from scratch using HTML/CSS & Figma</div> <div>Implemented Chrome extension that injects React scripts into relevant web pages to display post-tax product prices, utilizing SQLite database to store location-based tax information</div>