

Emily Chin

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Objective

Ambitious and hardworking programmer with experience in computer vision/machine learning. 150+ hours developing Python and HTML/CSS/JavaScript programs in a Unix environment. Hoping to apply strong interpersonal communication and problem-solving skills as to connect with and contribute to your community.

Projects

MNIST NEURAL NETWORKS (AUGUST 2019)

- Personally developed program using computer vision to detect and identify MNIST characters
- Self-taught Firebase in one month to store and access sample images in cloud-hosted database
- Created three different Neural Networks to compare accuracy of MNIST training using Keras on top of TensorFlow, including two CNNs

PERSONAL WEBSITE (MAY 2018 - AUGUST 2019)

- Applied HTML, CSS and JavaScript skills to develop an interactive website
- Showcased UX/UI experience to structure simple and attractive design
- Practiced continuous integration and deployment to guarantee stable and high-quality UX

TEMPLATE DETECTION PROGRAM (AUGUST 2017 - JUNE 2018)

- Created image detection program to accurately identify a specific template in a picture
- Processed and analyzed input images with NumPy, PIL, and Python's CV2 library
- Updated and version-controlled code biweekly with team via GitHub

Experience

PYTHON TEAM LEAD | TINOVAION – HIGH SCHOOL CLUB | AUGUST 2018 - JUNE 2019

- Organized 150+ hours' worth of bi-weekly lessons focusing on NumPy, Tesseract OCR and machine learning concepts
- Supervised weekly Scrum-style check-ins to effectively guide the 10+ high school students on my team
- Helped troubleshoot software errors on different versions of both Windows CMD and Mac OS (Unix)
- Grasped basics of SLR (simple linear regression) and gradient boosting in six hours to analyze and model Boston housing dataset

Education

UNDERGRADUATE | UC SAN DIEGO (2019 – PRESENT)

- Majoring in Cognitive Science with Specialization in Machine Learning & Neural Computation