

# Edmond Wen

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## EDUCATION

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**University of California, Los Angeles (UCLA)**

*B.S. Computer Science*

Los Angeles, CA

*Sept. 2020 - June 2024*

## RELEVANT COURSEWORK

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**UCLA:** Data Structures and Algorithms, Computer Organization, Multivar. Calculus, Linear Algebra

**Coursera:** Deep Learning Specialization

## EXPERIENCE

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### Researcher

March 2021 - Present

*UCLA Medical Center*

- Constructing a parsing algorithm using ANTLR, Python, and bash scripting to automate medical reconciliation for hundreds of electronic medical records (EMR) by extracting key information (medication, dosage, forms)
- Developing a tool that receives patient data from different EMR systems (Epic Systems, PointClickCare) and flags discrepancies, thus minimizing human errors and speeding up reconciliation (approx. 93% extraction accuracy)

### Projects Intern

November 2020 - Present

*UCLA Association of Computing Machinery - AI*

- Constructed a CNN (Resnet) using PyTorch to classify diseases in cassava leaves, a staple food, based on labeled images collected by Uganda's National Crops Resources Research Institute on Kaggle (approx. 70% accuracy)
- Constructed a CNN (Resnet, Triplet Loss) using PyTorch to perform "face" recognition on hundreds of humpback whales to aid conservation and tracking efforts (approx. 70% accuracy)
- Taught two nine week sessions for approximately 15 students per session on the project of their choice (of the ones above) in two hour sessions twice a week

### Undergraduate Tutor

June 2021 - July 2021

*UCLA CS Summer Institute*

- Taught 20 students introductory programming skills in Python (variables, functions, loops, conditionals, recursion) during daily three hour long discussion sections for three weeks
- Created presentations, worksheets, and review materials and wrote sample test cases for students
- Graded exams and assignments with Python test scripts

### Developer

March 2021 - June 2021

*Young Tech Professionals Business Bootcamp - Team Terra*

- Prototyped and ideated a product, Terra, to increase composting accessibility in order to minimize food waste using HTML/CSS, Bootstrap, and Figma within a nine-week period: [tinyurl.com/79337dpj](https://tinyurl.com/79337dpj)
- Produced a business plan and pitched solution to a panel of industry judges

## PROJECTS

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**Little Tokyo Urban Environment Stories** | *HTML, CSS, Javascript, Leaflet*

June - July 2021

- Developed a website that collects stories from Little Tokyo residents about their experience dealing with urban heat in order to better inform urban development: [tinyurl.com/923vbzyk](https://tinyurl.com/923vbzyk)
- Wrote Javascript that collects users' favorite Little Tokyo locations and displays them on an interactive map

**CitySpace - Live in your SafeSpace** | *Python*

January 2021

- Wrote a Python script using PyPDF to extract LGBTQ+ equity data on US cities (quality of non-discrimination laws, employee protections, municipal services) from the Human Rights Campaign Municipal Equality Index
- QWERHACKS 2021 (87 participants) Public Policy Track Winner: [tinyurl.com/4d6y5mst](https://tinyurl.com/4d6y5mst)

## TECHNICAL SKILLS

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**Languages:** C++, Python, HTML/CSS, Javascript

**Libraries/Frameworks:** PyTorch, React, numpy, matplotlib, pandas

**Other:** Git, ANTLR, Linux/Unix