

# Daniel Longo

✉ DDL@stanford.edu

📞 (650)–546-1126

🌐 Git://DanielLongo

## SKILLS & EDUCATION

---

### Stanford University

Stanford, CA

Mathematical and Computational Sciences, GPA: 3.92

Expected Graduation: June 2025

**Relevant Classwork:** cs124: From Languages to Information, cs224n: Natural Language Processing with Deep Learning, cs107: Computer Organization & Systems, math51: Linear Algebra and Differential Calculus of Several Variables

**Programming Languages:** Python, R, Java, C++, C, JavaScript, HTML/CSS

**Tools:** PyTorch, Tensorflow, React/React-Native, Flask, FastAPI, MySQL, NoSQL, AWS, GCP, Firebase, Docker, Git

## WORK EXPERIENCE

---

### NCSOFT, AI Generation Lab

Seongnam, South Korea

Global Intern

June to August 2021

- Developed tools to expedite game development process for Unreal game engine
- Created internal 3D asset retrieval search application via multimodal triplet networks

### Stanford Dept. Biomedical Data Sciences

Stanford, CA

Research Assistant

December 2018 to June 2021

- Built deep generative models to model brain activity while incorporating physics-based models for denoising and data augmentation
- Applied predictive techniques to identify signal anomalies in Stanford Seizure clinic EEG dataset

### Mobius Fit

Redwood City, CA

Front Desk Manager

December 2017 to June 2021

- As most senior front desk manager, trained new employees
- Sold gym memberships, promoted special offerings, and handled complaints and inquiries

### Pharmatrophix

Menlo Park, CA

Webmaster

May 2020 to Present

- Redesigned biotech startup website and maintain/update the site

### Private Tutor

Bay Area, Taipei, Seoul

Teaching Programming, Web Development, Data Science

2015 to Present

- Teach one on one and in small groups from “Hello World” to creating games, APIs, web apps...
- Teach fundamentals of ML, guiding students on processing data and implementing ML models from scratch

## PROJECTS

---

**www.Hablame.org** - Website Offering Interactive Spanish & French Speaking Practice

- Over 55k users with more than 170k activity sessions
- Offers accent development activity using ML to provide pronunciation feedback

**www.TextAssign.org** - Foreign Language Reading Assignments

- Uses NLP techniques to find and define difficult vocabulary words from readings
- Created Python Flask backend with Postgres database and React frontend hosted on AWS

**www.getNomo.info** - Aggregating and recommending events on Stanford Campus

- Personalized feed of events at Stanford (parses events from over 3000 campus email lists)
- Mobile app (React Native) currently in open beta

**QuisEst?** - Identifying forged Latin texts

- Using NLP and ML techniques model identifies authors of texts with disputed authorship
- Accompanying paper submitted to *Digital Humanities Quarterly*

**Atomic Net** – Frontier Hacks 2019

- With a team of 4, created a low-cost mesh network designed to provide communications off the grid
- Project won 1st place overall at Frontier Hacks as well as the best mobile app

**Silicon Valley Hacks 2020** – Lead Organizer

- Lead organizer of 5 day online hackathon focused on education and healthcare technology
- Over 350 students participated and more than \$18000 in prizes awarded