



PAID INTERNSHIP

Build AI That Reads Blueprints & Enforces Building Codes

Computer Science + Engineering Students

THE VISION

Create an AI system that automatically reviews construction blueprints for code compliance—combining computer science innovation with engineering domain expertise

Prevent building failures • Accelerate permit approvals • Make construction safer

TWO TRACKS • ONE MISSION



COMPUTER SCIENCE TRACK

Build the AI Brain

WHAT YOU'LL DO:

- Computer vision models (blueprint parsing)
- LLM fine-tuning (code interpretation)
- Compliance validation engine
- Document AI pipelines
- Production ML deployment

TECH STACK:

Python • PyTorch/TensorFlow
Computer Vision • NLP • RAG



ENGINEERING TRACK

Provide Domain Knowledge

WHAT YOU'LL DO:

- Translate building codes into AI rules
- Create validation test cases
- Explain engineering principles to ML models
- Ensure AI prioritizes safety
- Learn ML fundamentals

CODE DOMAINS:

IBC • NEC • IPC • IMC • IFGC
Structural • Fire Safety



COMPENSATION

\$25-\$30/hour based on experience



SCHEDULE

10-20 hrs/week (flexible)
Full-time summer option



LOCATION

100% Remote



START DATES

Summer 2026 • Fall 2026 • Spring 2027



EXPERIENCE

Production ML • Regulatory compliance
Cross-functional teamwork

WHO WE'RE LOOKING FOR

CS Track: Python + ML experience
Interest in CV, NLP, or civic tech

Engineering Track: Civil/Mech/Elec major
Building codes coursework helpful



APPLICATION DEADLINE: April 10, 2026

Email resume with 3 bullet points on the toughest technical problems you've solved to Antonio Kenyatta at antonio@tecizeverything.com