

# Maksym Prokopovych

COMPUTER SCIENTIST

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*Looking for opportunities to show off my computer science skills and learn something along the way.*

## Skills

- Proficient in C, C++, Java, Javascript, and Python
- Proficient knowledge of bash and linux management, been using Linux primarily for over a decade
- Good understanding of low level computer systems and low level internet.
- Much experience with arduino microcontroller boards associated robotics/hardware integration
- Good understanding of digital circuit design, with experience in Verilog and Cadence Virtuoso Software
- Excellent understanding of compilers and language processing to an extent
- Excellent understanding of cryptography and cybersecurity, including group theory mathematics and blockchain technology
- Proficient at AWS and other internet technologies
- Good understanding of neural network mathematics and machine learning
- Fluent in English, Russian, and Ukrainian

## Experience

### Amazon.com Inc

SOFTWARE DEVELOPMENT ENGINEER INTERN

Seattle, WA

Jun. 2022 - Aug. 2022

- Supported Amazon's Payment Fraud machine learning team by developing database caching tools
- Return offer: offered and pending

### UCLA Olga Radko Math Circle

DOCENT INSTRUCTOR

Los Angeles

Sept. 2021 - Jun. 2022

Taught gifted high school students advanced mathematics

### UCLA IT Services

STUDENT CONSULTANT

Los Angeles

Jun. 2019 - Jan. 2022

Supported UCLA faculty, staff and students with various software services.

## Extracurriculars and Personal Projects

### 8 Bit Computer Implementation

Jan. 2018 - Dec. 2018

Implemented an 8 bit breadboard computer from LS74 logic chips and various other electrical components.

### Compiler Implementation

Sept. 2020 - Dec. 2020

Implemented a RISC-V compiler for a simplified Java-like language for UCLA's CS 132.

## Education

### University of California, Los Angeles

B.S. IN COMPUTER ENGINEERING, MINOR IN MATHEMATICS

GPA: 3.3

Sept. 2018 - Dec. 2022

- Tech Breadth in Computer Science
- Favorite Courses
  - CS M282A: Graduate Cryptography
  - ECE 102: Digital Signal Processing
  - CS 132: Compiler Design
  - Math 131A: Real Analysis

### Venice High School, Los Angeles

GPA: 4.4, Top 2% of Class

Sept. 2014 - Jun. 2018