Nalin Bhardwaj

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nibnalin.me

education

UC San Diego
Majors: Math & Literature
ACM UCSD: Board Member
Sep 2019 – June 2020
Sep 2021 – Present

hobbies

Student Pilot

League of Legends TFT Grandmaster (top 0.01%)

skills

C++
Python
Go
JavaScript
NodeJS
HTML
CSS
CoffeeScript
Wolfram
Perl

Django
Docker
gRPC

links

GitHub: nalinbhardwaj
GitLab: nibnalin
LinkedIn: nibnalin

experience

Research Intern, 0xPARC   July 2022 – September 2022

Worked on zero-knowledge cryptography research and applications

Software Engineer, Lunchclub   September 2020 – August 2021

Engineer focusing on product ideas, backend codebase and leading machine learning research.

- Designed current landing page (+10% conversion rate)
- Improved matching ML yielding largest ever (>5 stdev) user happiness increase

Intern, Wolfram Research Inc.   December 2018 – May 2019

Researched and implemented Ethereum components and services such as the Ethereum Virtual Machine (EVM) for Wolfram language and related products.

honors

International Olympiad in Informatics contestant   August 2017

Member of Indian contingent at the International Olympiad in Informatics (IOI) 2017 held in Tehran, Iran. Over 80 countries participated in the contest.
Bronze medallist in Asia Pacific Informatics Olympiad (APIO) 2018, ranking first from Indian contingent.

Google Code-In Grand Prize Winner   December 2017 – January 2018

Selected as a Grand Prize Winner from over 12,000 contestants worldwide for contributions to open-source software.

Apple WWDC Swift Student Scholarship   March 2020

Awarded scholarship for developing an iOS Swift app amongst 10,000+ students.

open-source software

Crypto side projects   2021

ShiitCoin: blockchain running entirely on Google Sheets - 100+ GitHub stars

WordLines & Zordle: ZK word games - 150+ GitHub stars on both repos

exgrasia: On-chain RPG-style sandbox game with 500+ players

coala   2017 – 2019

Contributed 50+ commits and 30+ code reviews to coala, a code analysis toolkit. Google Summer of Code 2018 mentor on project "coala language server".

DuckDuckGo   2014 – 2018

Contributor to the popular privacy-protecting search engine. Worked on 20+ Instant Answers including Weather Forecast, Timer etc.

publications

A Simple Algorithm for Minimum Cuts in Near-Linear Time   June 2020

Co-authored research paper featured in SWAT 2020 presenting a simplification of the state-of-the-art algorithm for finding minimum cuts in graphs. (10+ cites)

Essays   July 2018 – Present

Authored popular essays read over 500k times on my website. Including:

"Shadows of Stained Glass" — #1 on Hacker News and in Journal of Geek Studies

"Duolingo: The Antithesis to the Bazaar" — featured front page of Hacker News