




Aaditya Naik

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EDUCATION

University of Pennsylvania

Ph. D., Computer and Information Science

Sept. 2020 – Present

NMIMS Mukesh Patel School of Technology Management and Engineering (MPSTME)

B. Tech., Computer Engineering

July 2016 – May 2020

PUBLICATIONS

GenSynth: Synthesizing Datalog Programs without Language Bias.

with Jonathan Mendelson, Mukund Raghothaman and Mayur Naik

accepted and to appear in AAAI '21

Code2Inv: A Deep Learning Framework for Program Verification.

with Xujie Si, Hanjun Dai, Mayur Naik and Le Song

in CAV '20

WORK EXPERIENCE

University of Pennsylvania

Research Intern

Jan 2019 – May 2020

- Worked on extending an existing project (code2inv) to make it compatible with various input representations.
- Drew a comprehensive study on the state-of-the-art software checkers
- Extended the C front-end of code2inv using the *Clang C++ API*.

getparking.in

Summer Intern

May 2018 – July 2018

- Worked on a deep learning system to identify the make and model of a car from its image.
 - Thoroughly reviewed existing state-of-the-art image classification models.
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TEACHING EXPERIENCE

University of Pennsylvania

Teaching Assistant

May 2020 – Present

- TA for MCIT CIS 547 for Summer and Fall 2020.

ACM Student Chapter, MPSTME

Instructor for C Workshop

Sept. 2019

- Taught core C concepts to college freshman students.
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SKILLS

Programming Languages : Python, C/C++, Bash, Java, MATLAB, Coq

Tools : Git, L^AT_EX, Docker

Miscellaneous : LLVM/Clang APIs, PyTorch, Z3