

Contact

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Top Skills

C++
Thrift
Hack

Publications

A Tale of Twisted Tentacles:
Calamari Food Impaction with Upper
Gastrointestinal Bleeding

mRNA sequence of Landoltia
punctata, coding for a ubiquitin-
conjugating enzyme

Adhvik Kanagala

SWE Intern at Duolingo | Distributed Systems Teaching Assistant at
Carnegie Mellon University
Pittsburgh, Pennsylvania, United States

Summary

I like computer systems!

Experience

Carnegie Mellon University School of Computer Science
Teaching Assistant, 15-440 Distributed Systems
August 2023 - Present (3 months)
Pittsburgh, Pennsylvania, United States

Duolingo

Software Engineer Intern, Data Refinery
May 2023 - August 2023 (4 months)
Pittsburgh, Pennsylvania, United States

Built an automated monitoring tool to help data platform area track production datasets

Eliminated active monitoring of dataset freshness by engineers

Built tool to visualize dependency graph for datasets used by data science team

Engineered new way to debug low-quality datasets by data science team

Improved sustainability of data science area's 2023 growth objectives by upgrading tooling

Carnegie Mellon University School of Computer Science
TA, Head of Review and TA Management, 15-112 Fund. of
Programming and Computer Science
February 2021 - May 2023 (2 years 4 months)
Pittsburgh, Pennsylvania, United States

Collaborate with professors to lead the review team, which provides actionable feedback and approves class notes, assessments, assignments, and all other student-facing material before public release.

Manage a team of 40+ TAs, run quality assurance, design training sessions, and provide feedback on TA performance

Develop practice materials, teach group sessions of 5-100 students, tutor struggling students, grade assignments and assessments, hold office hours for 2+ hours per week.

Mentor 10 students each semester through a 1000-1500 line term project showcasing algorithmic complexity and visual design.

Meta

Software Engineer Intern, WhatsApp Business Infra

May 2022 - August 2022 (4 months)

Menlo Park, California, United States

Migrated a critical billing service in WhatsApp Business backend to serverless infrastructure

Reduced development timelines on this service from weeks to hours (already demonstrated)

Eliminated dependency on chat infra team for deployment/maintenance of business services

Developed onboarding documentation and starter tasks for new engineers

Carnegie Mellon University

Undergraduate Research Assistant

February 2021 - July 2021 (6 months)

Pittsburgh, Pennsylvania, United States

Worked with the jsPsych library to build and deploy a web-based linguistics experiment to investigate language production pipelines through the task of typing words.

Built a processing tool in Python to categorize linguistic errors in typed input.

Prime Medical Care, LLC

Medical Office Assistant

May 2020 - August 2020 (4 months)

Metuchen, New Jersey, United States

Managed scheduling, communications, and patient intake. Gained experience with effective communication and patient treatment. Automated multiple office procedures, such as hours collection and bill tracking.

Princeton University

Research Assistant

June 2019 - August 2019 (3 months)

Princeton, New Jersey, United States

Used virtual reality simulations to evaluate the effects of 3D cues on depth perception, wrote custom scripts using R to conduct statistical analysis on over 12,000 trials. Discovered that the presence of depth cues causes overcompensation for a perceived rotation in the movement of a VR controller.

The City University of New York

Research Assistant

June 2018 - August 2018 (3 months)

New York, New York, United States

Used MATLAB and EEG data to investigate the effects of sleep vs rest on learning and neuroplasticity.

Education

Carnegie Mellon University

Bachelor of Science - BS, Computer Science, Concentration in Computer Systems · (2020 - 2024)