

# Kabilan Balasubramani

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## EDUCATION

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### University of Pittsburgh

Honors, BS Computer Science

Pittsburgh, PA

EXPECTED GRADUATION: MAY 2024

## SKILLS

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- Relevant Coursework: Data Structures, Algorithms, Discrete Structures
- Technical Skills: Python (4yrs), Java (3yrs), C++ (2yrs), HTML/CSS (1yr)

## EXPERIENCE

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### Google CSSI Coursera

Pittsburgh, PA

Student

JUNE 2020 - PRESENT

- Integrated Google Cloud Credits into server-sided web application to host project integrating positional audio alongside Google STEP interns and teammates
- Earned certificate for studying fundamental algorithmic and data structures topics in Python enhanced with interactive projects and problems

### University of Pittsburgh Cancer Institute

Pittsburgh, PA

Researcher

JUNE 2019 - AUGUST 2019

- Developed a lightweight, portable electrocardiogram device to process real-time patient data using machine learning to classify cardiovascular abnormalities with 93% confidence

### CompuDANCE

Wexford, PA

Co-Founder

JANUARY 2018 - MARCH 2018

- Curated and taught an interactive C++ curriculum covering variables, conditionals, and loops and real-world applications to over 40 students per session
- Broke the gender stigma of women in STEM fields and men in dance by bringing together Indian Folk Dance and C++ workshops with a team of 3 members

## PROJECTS

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### Pathfinding Visualizer - Personal

AUGUST 2020

- Designed interactive UI to visualize A\* search algorithm as an educational tool to allow users to visually inspect the runtime behavior of the algorithm (Python)

### Lunchroom - Personal

AUGUST 2020 - PRESENT

- Open source project aimed towards recreating the immersive experiences that in-person conversations provide
- Using positional audio, one can virtually relive those cafeteria conversations as if they were talking to you in person hosted on private, online chat rooms

## AWARDS & ACTIVITIES

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### Pitt Computer Science Club

PRESENT

- University of Pittsburgh's largest CS-related student organization Proudly pushing the boundaries on what it means to be a Pitt student

### OVBI Recognition

FEBRUARY 2019

- Overseas Volunteer for a Better India, raised \$25,000 for children in the Redlight District in Kolkata

### Guiding Star Dance Scholar

MARCH 2019

- Earned for teaching, performing, and organizing Indian Folk Dance across greater Pittsburgh with over concurrent 600 members