

# Vignesh Chandrasekhar

Computer Scientist

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[Website/LinkedIn/GitHub](#)

## EDUCATION

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### Bachelor of Science in Computer Science

University of Colorado Boulder

Cumulative GPA: 3.972

Honors: *Engineering Merit Scholar, CU Esteemed Scholar, Engineering Dean's List, Thomas T. Eaton Scholar*

Boulder, CO

Aug 2019-May 2023

## Technical Skills

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**Languages** C++, C, Java, Python, JavaScript, HTML, CSS

**Technologies** PostgreSQL, MySQL, MongoDB, Heroku, Git, Google Cloud Platform, NPM, Docker

**Course Knowledge** Algorithms, Data Structures, Software Development, Computer Systems, Operating Systems, Artificial Intelligence, Database Systems, Data Science, Theory of Computation, Discrete Structures

## EXPERIENCE

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**Finance Director;** *HackCU*, University of Colorado Boulder

August 2021 - Present

- Director of finance for [HackCU](#). Manage the finances and accounts, communicate with corporate sponsors and university organizations for funding and networking at hackathons.

**Course Assistant;** *Software Development*, University of Colorado Boulder

August 2021 – December 2021

- Supported students in learning the tools and methods used in front-end and back-end software development. Assisted students in implementing html, CSS, bootstrap, NodeJS, ExpressJS, Docker, PostgreSQL, and Heroku for web application projects.

**NSF-REU;** National Science Foundation; Utah State University

May 2021 – July 2021

- Conducted research in engineering education and its applications to topics in fluid dynamics. This was part of an ONR funded project called "Mobile Instructional Particle Image Velocimetry (ml-PIV): Using Mobile Devices to Improve Interest and Conceptual Learning in Fluid Mechanics through Hands-on Flow Visualization and Experimentation".
- Developed a Teach Engineering activity for a vortex generator experiment
- Wrote a literature review in mobile learning in STEM education.

## Projects

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[Optimized Health:](#) Full stack smart health web application built with NodeJS, PostgreSQL, and the Spoonacular nutrition API.

[Bloggyz:](#) Full stack blog website built with NodeJS and utilizes GoogleOAuth2.0 for Gmail log in.

## Leadership Experience

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**Treasurer/Chief of Justice;** *Delta Kappa Epsilon*, University of Colorado Boulder

Nov 2020 – Present

- Managed fraternity finances and accounts. Communicated with our national advisors and chapter members to discuss active roster and instantiate payment plans. Member of chapter executive board.