# gokul gowri


## about

3617 188th St SE
Bothell, WA
98012

(425) 770-8201

ggowri@caltech.edu
github.com/storyetfall


## programming

Python
Julia
Linux env.
LaTeX
Django
Mathematica
MATLAB
LabVIEW

## coursework

calculus
linear algebra
differential equations
discrete math
probability
information & logic
causality
statistical inference
learning systems
quantum mechanics
molecular biology
biophysics
biochemistry
synthetic biology
biodevices
biomolecular design

## interests

DNA computing, biomolecular design, synthetic biology, natural algorithms

## education

2016– **Senior, Caltech Bioengineering** — Pasadena, CA
Cumulative GPA: 3.9

2013–2016 **I.B. Diploma, Inglemoor High School** — Kenmore, WA
Cumulative GPA: 3.9

## experience

sep 2019– **Eberhardt Group, Caltech Humanities and Social Sciences Dept.**
Computational work on causal inference methods for fMRI data.

apr 2018– **Winfree Lab, Caltech Computer Science Dept.**
Theoretical work on reversible computing.
Co-first author publication in *Lecture Notes in Computer Science*.

jun-aug 2018 **Seelig Lab, University of Washington Electrical Engineering Dept.**
Simulation work on disease diagnostic DNA computers.
Contributed talk at 2019 International DNA Computing conference.
First author publication in *Lecture Notes in Computer Science*.

apr 2017– **Qian Lab, Caltech Bioengineering Dept.**
Experimental work on DNA neural networks and logic circuits.
Second author poster at 2018 International DNA Computing conference.

## activities

jan-jun 2019 **Teaching Assistant, Caltech**
TA for biomolecular computing (CS 191) and intro biology (Bi 1).

apr 2018– **Peer Advocate, Ricketts Hovse**
Trained mental health resource for Caltech undergraduates.

jan 2018– **Deans' Tutor, Caltech**
Academic resource for several bioengineering and computing courses.

## awards

2019 **Goldwater Scholarship Awardee**
Scholarship awarded to top 500 undergraduate researchers nationwide.

2019 **Semifinalist, Doris S. Perpall SURF Speaking Competition**
One of top 29 speakers selected from over 250 summer research fellows.

2018 **Finalist, Doris S. Perpall SURF Speaking Competition**
One of top eight speakers selected from over 250 summer research fellows.

2016 **Semifinalist, Intel Science Talent Search**
Project: computationally designing flu vaccines.