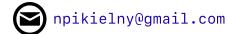
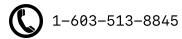
# Noah Pikielny





### Education

Cornell University '24 B.A. Computer Science Minor: Marine Biology GPA: 3.9

#### Computer Science

Introduction to Computing Using Python, Linear Algebra, Object Oriented Programming and Data Structures, Discrete Math, Functional Programming, Computer Vision (Spring 2022)

#### Marine Biology

Introduction to Oceanography, Cell and Developmental Biology, Coral Reef Conservation and Management (Spring 2022)

Hanover High School '20 GPA: 3.95

#### Coursework

Honors Biology, Honors Evolution and Genetics, Computer Science I & II, AP Calculus, Honors Math Modeling, Honors Probability and Statistics, Honors Physics, Honors Chemistry

#### Awards

Technical Experience

Introduction to iOS Development:

High Honor Roll, Yale Book Award (for outstanding personal character and intellectual promise), Sportsmanship Award on Varsity Soccer Team (New Hampshire Division I State Champions)

Spring '22

Spring '21

Fall '21

### Research Internships

Robert Hill Lab

Summers 2019-21

- Dartmouth College
- ► Analyzed two-photon microscopy images of myelination in live mice
- ▶ Developed software to distinguish myelin sheaths from residual noise in confocal microscopy images
- Developed an app and virtual reality pipeline with Vaa3D and Fiji for neuron tracing in microscopy images

Rahul Sarpeshkar Lab Dartmouth College

Summer 2018

▶ Engineered synthetic biomolecular circuits in bacteria

# Projects

menu options

- ▶ Fluid Dynamics Simulation
- ▶ Ray & Path Tracing

► Course Instructor

► Teaching Assistant

Cornell AppDev Developer:

► Eatery: Develop featured

- ▶ Boids: Bird flocking simulation
- ▶ Solar System: Runge-Kutta solar system orbit approximation

▶ Resell: Used goods marketplace Fall '21

- ▶ Ecosystem simulation: Modeled interspecies interaction and capacity
- ▶ Slime Mold Simulation

See my website and Github for more:



Website ( Github



# Skills

- ▶ Biology Plasmid Electroporation, DNA Extraction and Digestion, Polymerase Chain Reaction, Image Analysis including ImageJ, Agave, TeraFly, Adobe Photoshop
- ▶ Computer Science Data Structures, Graphics, UI/UX, Git, React-Native
- Languages Swift, Python, Java, OCaml, Javascript, Metal

# Marine Biology Initiatives

- Aquatics Club Founder and President, Hanover High School
- Creator and leader of a marine biology course, Hanover High School

### Activities

- ► Scuba Diving: PADI-certified with >40 tropical dives
- ▶ Aquarist: maintains 1 reef tank and 3 freshwater tanks
- Photography and Videography: macrophotography of corals and fish. See my blog for more:

