

# RILEY KARP

603-481-0299  
rkarp1997@gmail.com  
linkedin.com/in/rileykarp  
github.com/rskarp

## EXPERIENCE

Squam Lakes Resort, Holderness, NH Jun 2017-Present  
**Web Assistant**

- Creates web pages using WordPress to display properties for sale
- Led to 5+ property sale agreements since June 2017

Colby College, Waterville, ME Sep 2016-May 2017  
**Web Assistant for French & Italian Department**

- Created 10+ new pages for the website of Colby College's French & Italian Department using WordPress
- Restructured all website information into a user-friendly and aesthetically pleasing display

Colby College, Waterville, ME Oct 2016-Dec 2016  
**Personal Computer Science Tutor**

- Led personal study sessions for a student taking a Computational Thinking course in Python
- Gathered for 2 hours twice weekly to discuss projects and homework assignments

## PROJECTS

CarBar, Hanover, NH Sep 2017-Present  
**Project Manager, Designer, Engineer**

- Created SolidWorks model of a rotating, height-adjusting handle to be installed in vehicles to aid people with limited mobility when entering and exiting cars
- Machined 3+ prototypes, receiving positive feedback and purchase requests from 10+ users from test group

Data Visualization GUI, Waterville, ME Spring 2017  
**Lead Programmer, Lead Designer**

- Designed a data analysis and visualization computer application using Java
- Analyzed bioluminescence datasets using the interactive 3D visualization display, KNN classifier, principal components analysis, and k-means cluster analysis functions of the application

Fly Baby Fly, Waterville, ME Jan 2017  
**Lead Visual Artist**

- Led the design and creation of all images and visual art for game avatars, backgrounds, and menus using GIMP
- Implemented a 2D computer game using Python

## EDUCATION

Dartmouth College 2020  
Hanover, NH

**B.E. in Biomedical Engineering**

Colby College 2019  
Waterville, ME

**B.A. in Computer Science, Minor in Physics**

## COURSEWORK

- Analysis of Algorithms
- Data Analysis & Visualization
- Data Structures & Algorithms
- Computer Game Design
- Linear Algebra

## SKILLS

Java	████████
Python	███████
SolidWorks	███████
GIMP	███████
French	███████

## ACTIVITIES

Volunteers for Cancer Patients Club, Hanover, NH  
**Weekly Volunteer**

Colby Varsity Women's Crew, Waterville, ME  
**Coxswain**

Dartmouth Chinese Culture Club, Hanover, NH  
**Event Planner**