

# Caitlin Beecham

1(215)275-9777 | [cbeecham@ucsc.edu](mailto:cbeecham@ucsc.edu) .

## MAINSTREAM NAME RECOGNITION

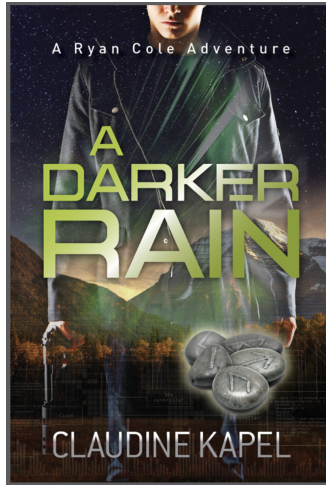
---

### Principal Character in Two Popular Science Fiction Novels

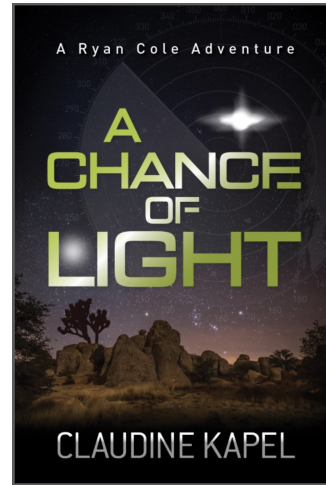
*“A Darker Rain” and “A Chance of Light”*

2013, 2016

- Myself and my father, James Beecham, a former military doctor, are two of the principal characters in Claudine Kapel’s science fiction thrillers “A Darker Rain” and “A Chance of Light”, both popular among STEM geeks.
- Both books can be found purchased via Apple Books.



(a) Original



(b) Sequel

## OUTREACH EXPERIENCE

---

### Founder/President of the Penn Chapter of the Association for Women in Math

2014

*University of Pennsylvania*

*Philadelphia*

- \* I recruited a faculty advisor Dr. Antonella Grassi and performed all logistical duties necessary to open a new registered chapter of the AWM.
- \* I then recruited initial members and led a public forum to determine what the goals and regular activities of the chapter should be.
- \* I then proceeded to coordinate weekly study groups, group lunches, and guest lectures, one from a lecturer, Adriana Salerno, who was herself a web-famous math blogger on the website PhD plus Epsilon.
- \* I also manned tables at extracurricular fairs that occurred each semester to recruit undergraduates to various clubs and student groups.
- \* Current Website: <https://upenn-awm.weebly.com/links.html>
- \* Facebook: <https://www.facebook.com/PennAWM>
- \* News Article: <https://penntoday.upenn.edu/features/math-group-encourages-more-women-to-remain-in-stem-fields>

### Chair of the Penn Undergraduate Math Society

2014

*University of Pennsylvania*

*Philadelphia*

- \* I coordinated talks given by guest lecturers from outside universities (like Williams College, University of Georgia, and Bates College) as well as by graduate students on the topics of elliptic curves, quadratic forms, quotient orbifolds, and minimal surfaces.
- \* I additionally performed all other duties required of the chair such as speaking to students at the day-long Student Majors Fair for incoming freshman exploring prospective majors and coordinating the traditional Penn Math Mixer and faculty dinners of which there were two.
- \* Website in use during my tenure: <https://www2.math.upenn.edu/ugrad/mathclub/index.html>
- \* Note: I have since participated in remote training for Grace Hopper Web Development Boot Camp and have greatly increased my eye for graphic design and content placement. Aesthetics of future website would be greatly improved.

## Co-Leader for the Penn Emerging Scholars Program

University of Pennsylvania

Fall 2013

Philadelphia

- \* Co-led a semester-long series of informal weekly workshops designed to expose freshmen in the computer science major to exciting new areas of computer science that use mathematics in interesting ways such as graphical networks and cryptography
- \* Was invited to present it a second time in Fall 2014 but declined due to heavy courseload

## PORTFOLIO

---

### Instagram

Coding & Tech

Remote

May 2017 - August 2018

- \* <https://www.instagram.com/mathdiary/>
- \* -Ability to get 103 followers despite relatively dry subject matter indicates an adeptness with social media and abundance of useful contact.
- \* -Ability to incorporate pop-culture references into seemingly dry mathematical content indicates a talent for fomenting interest in academic topics among the general public.



### Quora

Student Lifestyle Guru & Course Advisor

Remote

May 2017 - December 2021

- \* <https://www.quora.com/profile/Caitlin-Beecham>

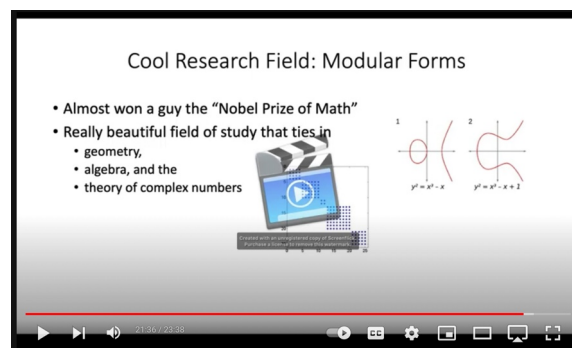
### YouTube Information Presentation

Making Encryption Accessible and Fomenting High School Interest in the Tech Industry

Remote

June 2020

- \* <https://www.youtube.com/watch?v=vhNM9UfmgAA>



### YouTube Informal Introduction

Introduction for an All-Female Web Development Bootcamp

Remote

April 2018

- \* <https://www.youtube.com/watch?v=bwEvHEZExuQ>

## **YouTube One-on-One Student Interaction**

*Discussion with an Adult Learner Returning to Grad School Part Time*

\* <https://www.youtube.com/watch?v=m7oNZ1-eOhw>

Remote  
October 2018

## **Instagram**

*Project Management and Outreach to Academic Researchers*

\* <https://www.instagram.com/mathdiarysecondgapyear/>

Remote  
May 2020 - August 2021