

# Skye Kychenthal

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## EDUCATION

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<b>Reed College, Portland, Oregon</b>	2022 - 2026
Planned Major: B.S. in Computer Science & Sociology	
<b>Peddie School, Hightstown, New Jersey</b>	2018 - 2022

## SKILLS

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### Programming

- FullStack Development: Node.JS, Flask, JavaScript, NPM, CSS, HTML5, Discord.JS
- Server Maintenance (Node.JS, Apache2, Ubuntu/UNIX); APIs, MongoDB, SQL
- GameDev: Unity, Godot/GDScript, Proc. Gen, A\*
- DataSci: Python, NumPy

### Graphics

- Adobe Suite (Photoshop, Lightroom, Illustrator, Premier Pro), Final Cut Pro

### Soft Skills

- Public Speaking; Presenting; Video Creation; Teaching
- Writing/Research: Script-writing, Academic literature
- Problem Solving & The Design Process: Define, Brainstorm, Prototype, Design, Execute

## EXPERIENCE

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### Peddie School

- FIRST Robotics Team [FRC 5895](#): Design, Assembly, Electrical, Scouting 2019 - 2021
- Peddie School Spectrum/GSA Leader & All Gender Housing Pilot Program Prefect 2021, 2022
- Peddie School Computer Science Club: Core Member, Event Organizer, Webmaster 2019 - 2022
- Peddie School Stage Crew (*She Kills Monsters*, *The Wolves*, *Willy Wonka*) 2019, 2020, 2021
- Peddie School *War of The Worlds* Radio Production (Announcer) 2021

### Academia

- GUII Lab Intern @ University California Santa Cruz Summer 2021  
Summer intern working on cognitive modeling of player behaviors in the competitive video game DOTA2. Part of the CITRIS funded project *Endowing an AI with Theory of Mind using cognitive modeling* at UCSC's GUII Lab.

### Independent

- Lockhead.nl: Indie Game Studio; Defunct 2020
- Education & Entertainment on YouTube ([SkyMocha](#) → 1400+ followers) 2017 - present  
From 2017 - 2020 a primary channel focus was on creating programming tutorials garnering a total of 1,000 subscribers and a total of 400,000 channel views. From 2020 - present, the channel's focus has been on entertainment and educational content with a focus on the intersection between sociological topics & computer science.

## AWARDS

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### Peddie School, Hightstown, New Jersey

- Honorable Mention, Geiger Reeves Speaking Contest 2021 & 2022
- Named Scholar, C.V. Starr Scholarship Fund 2019, 2020, 2021

### Rippowam Cisqua School, Bedford, New York

- Ann Thatcher Faculty Award of Distinction 2018
- Silver Key in Poetry ("One Less Life") for Scholastic Art and Writing Awards 2016
- First Place ("One Less Life") for Bedford Public Library 2015

## PROJECTS

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### **Why The Trans Programmer? (IEEE ISEC 2022)**

*December 2021 - April 2022*

A self-led project to explore the in-group idea of trans-feminine individuals disproportionately entering computer science education & fields. Preliminary data suggests this is a plausible trend, yet no research has been done into exactly why. As computer science education is integral to working in computer science fields, a simple research survey was conducted on the r/transprogrammer subreddit to gather data on 138 trans people's experiences with computer science.

This project consists of a 45 minute documentary-style YouTube video on the SkyMocha YouTube channel alongside a 5 page paper pending archival into IEEE Xplore after presentation at the *IEEE Integrated STEM Education Conference* in Princeton, NJ in March 2022. Currently available through ArXiv preprint servers arXiv:2205.01553.

#### **Citations**

Kychenthal, S. "Why The Trans Programmer?" *12th IEEE Integrated STEM Education Conference (ISEC)*. Princeton, New Jersey. March 2022.

Kychenthal, S. "Why Women Don't Code, But Trans Women Do". YouTube. April 2022.

### **Fight Club's Incel To Exploitable Chad Pipeline**

*January 2022 - present*

A self-led project, with initial advising from Dr. Ami Shah of the Peddie School's English department, with contributions from Abriana Fergesun, Reed Turner, Doran Penner, and Eli McKinzie. Started as my high-school senior thesis, this project explores *Fight Club*: the movie by David Fincher and the book by Chuck Phalanick; dissecting it, then using it as a lens of analysis for the 2016 presidential campaign of Donald Trump, primarily focusing on the aspects of micro-targeting incels and other manosphere communities by Cambridge Analytica outlined in the memoir *Mindf\*ck* by Christopher Wylie. Through drawing parallels between fiction and the real world, conclusions can be made about the populist rhetoric and ideology used by both Tyler Durden in *Fight Club* and by Donald Trump.

#### **Citations**

Kychenthal, S. "Fight Club's Incel To Exploitable Chad Pipeline". YouTube. TBD.