

Name: Ethan Sherbondy

Email: ethanis@mit.edu

Year: 2014

Major: 6-7



1. Academic background:

**Bio:** I've taken 7.02, 7.03, 7.014, 5.12. Currently taking 5.07.

**CS:** Taken: 6.01, 6.005, 6.006, 6.042. Currently taking 6.046 and 6.837 (Graphics)

**Expertise:** I've been writing software for a long time. I love programming. Wouldn't call myself an expert in any particular field. Spending large swathes of time thinking about honeybees currently.

2. My previous research experience.

None.

3. Areas of computational biology that interest me most:

Phylogeny, transacting factors, plant genomics (examining occurrences of chromosomal or whole genome duplication), and anything even tangentially related to honeybees.

4. Preferred type of project:

I want to build more accessible and interactive tools for exploring genomes. Also would like to try my hand at analysis of existing datasets.

Very interested in the Royalactin pathway in honeybees and determining the extent to which it is conserved in Endopterygota (metamorphic insects) at large. I'd also love to investigate how flowering plants and pollinating insects co-evolved over the past hundred million years.