

SUMMER 2020

VIRTUAL INTERNSHIP



Internship Guides

Robin Crotty, MA

Supervisor of BME Education



Matt Williams, PhD

Assistant Professor of BME



Stephen Fening, PhD

Associate Professor of BME



Cleveland BME Alliance

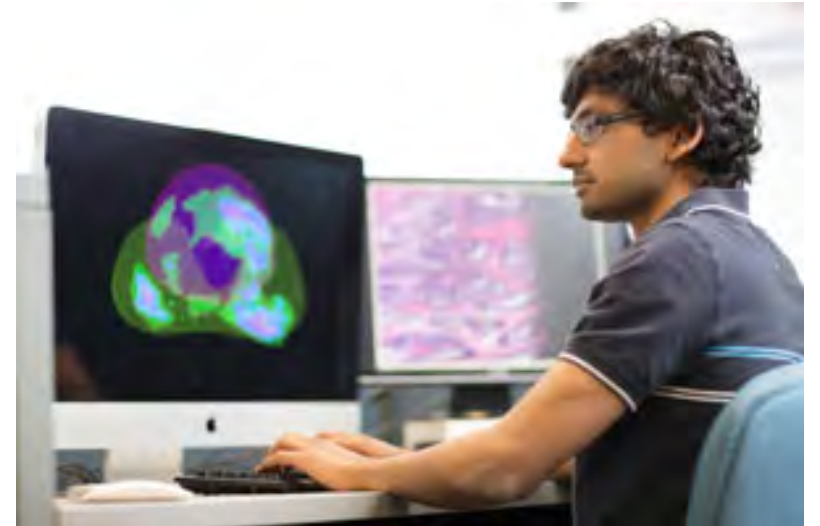
- Elite hospital and medical community
 - Cleveland Clinic # 2 hospital in the country
 - Other medical centers include UH, Cleveland VA, and MetroHealth
 - Top 25 medical school
 - 700+ medical companies
- Largest and distinguished BME department
 - 56 primary faculty (~50% AIMBE fellows)
 - \$40+ in research/year



Internship Overview

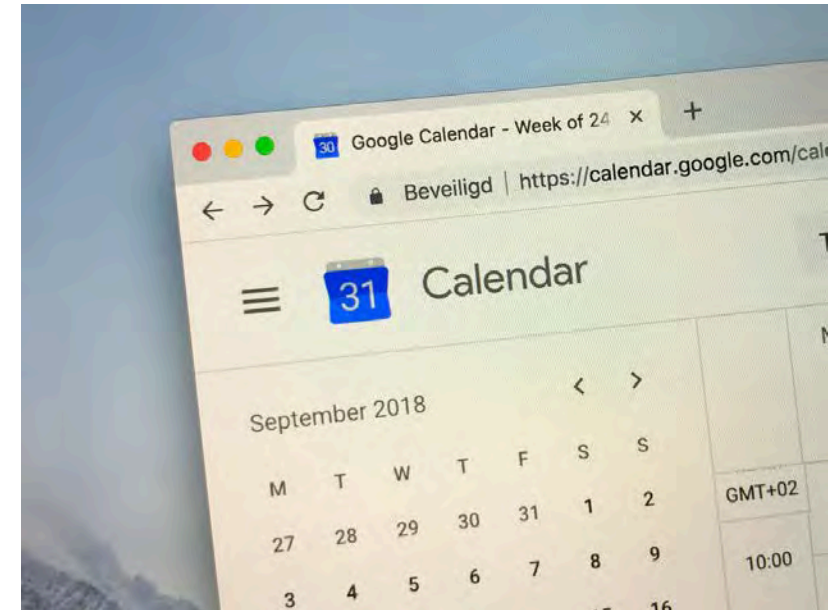
- 10 Weeks (June 8 – August 14)
- 3-5 hours per week

- 3 Part Program
 - Seminars (1 hr/wk)
 - Fire-side Chats (2 hrs/wk)
 - Remote Research/Design Experience (1-3 hrs/wk)



Typical Weekly Schedule

- Tuesday: Fireside Chat (3-4p)
- Wednesday: Seminar (3-4p)
- Thursday: Fireside Chat (3-4p)
- Friday: Design (2-3p)



Seminars

Wednesdays at 3p unless otherwise noted

Week of	Seminar	Seminar Speaker
8-Jun	Overview of Virtual BME Internship	Crotty & Fening
15-Jun	Rhodes, Truman, Fulbright, Oh My! (6/16 12p)	Amanda McCarthy (SOURCE)
22-Jun	Applying to Medical School and The Admissions Process (6/23, 12p)	Tom McKenzie (SOURCE)
29-Jun	Working through conflict/Value of Conflict	
6-Jul	Empowerment – using topics from The Power of TED	Robin Crotty
13-Jul	ME and the Millenium Development Goals	Andrew Rollins
20-Jul	Tips for Effective Resume Writing (7/14, 12p)	Laura Papcum (SOURCE)
27-Jul	Mastering the Basics: Presentaiton Syles & Writing a Strong Abstract	
3-Aug	Guided Virtual Tour of The BME Alliance	Asked Dustin Tyler
10-Aug	Industry and Academia	Geoff Vince

**Subject to change*

Fireside Chats

Tuesdays & Thursdays at 3p unless otherwise noted

Week of	Fireside Chats (2/wk)	Fireside Chats (2/wk)
8-Jun	Dustin Tyler	Barry Kuban
15-Jun	Steve Eppell	Jill Beveridge
22-Jun	Miklos Gratzyl	Jon Sakai
29-Jun	Anant Madabhushi	Andrew Janowczyk
6-Jul	Sam Senyo	Steve Fening
13-Jul	ZR Lu	James Ellis
20-Jul	Bolu Ajiboye - I AM HUMAN	Aaron Fleischman
27-Jul	Ron Triolo	Karl West
3-Aug	Andrew Rollins	Kathe Derwin
10-Aug	Bob Kirsch	Geoff Vince

**Subject to change*

Research/Design Experience

Two “Tracks”:

1. You have you own project
2. You participate in COVID-19 mask design project



Design Project

Fridays at 2p unless otherwise noted

Week of	Design Project	Design Speaker
8-Jun	Overview of Design Project	Matt Williams
15-Jun	Mask Design	Paul Marasco
22-Jun	Addressing User Needs	Matt Williams
29-Jun	Specifications	Matt Williams
6-Jul	Concept Development & Selection	Matt Williams
13-Jul	System Architecture	Matt Williams
20-Jul	Prototyping	Matt Williams
27-Jul	Verification & Validation	Matt Williams
3-Aug	PitchCraft	Steve Fening
10-Aug	Finale	

**Subject to change*

Requirements for Completion

- Live attendance of fireside chats of at least 50%
- Overall 80% attendance/participation
- Must participate in Q&A
- Participation in Finale
- Portfolio
 - Talks attended (type of attendance)
 - Project presentation



Key Dates

May 21 – Informational Webinar and Q&A Session

May 28 – Application Deadline

June 3 – Notifications of Acceptance

June 8 – Program Start

August 14 – Program Completion



<https://engineering.case.edu/ebme/Summer-2020-Virtual-Internship>

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