

# BENJAMIN AHN

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## EDUCATION

### **Georgia Institute of Technology**

GPA: 4.0, Gold Scholar – top 1% merit scholarship, Honors Program  
Bachelor of Science in Biology, Spanish Minor, Computational Biology Certificate

Atlanta, Georgia

May 2022

### **Johns Creek High School**

Class Council President, Mock Trial Captain, *Sing-chronized* a-capella Music Director

Johns Creek, Georgia

May 2018

## WORK EXPERIENCE

### **GEORGIA INSTITUTE OF TECHNOLOGY**

#### **Neuroinflammation Researcher**

Atlanta, Georgia

1/19 - present

- Investigate modulation of microglial activation and neuronal viability in Alzheimer's Disease using mouse models
- Characterize & quantify neuronal and microglial protein expression patterns via immunofluorescence
- Investigate potential therapeutic strategies via cytokine & enzyme pathway feedback loops
- Present research updates bi-weekly lab meetings and journal clubs

### **EMORY UNIVERSITY WINSHIP CANCER INSTITUTE**

#### **Cancer Epidemiology Research Intern**

Atlanta, Georgia

Summer 2017

- Researched socioeconomic factors & cancer survival rates using Surveillance, Epidemiology and End Results data
- Provided data for the Lymphoma Epidemiology of Outcomes group to reallocate healthcare resources across Atlanta
- Presented research at Winship Symposium to a public audience of physicians, professors, students

### **NORTHSIDE HOSPITAL**

#### **Anesthesia Technician**

Atlanta, Georgia

Summer 2018, 2019

- Stocked & organized anesthesia supply carts & equipment for 17 General Surgery Operating Rooms
- Shadowed surgeons and anesthesiologist including orthopedic, brain, & gastric surgeries

## COMPUTATIONAL EXPERIENCE

### **2D/3D MICROGLIA IMAGE ANALYSIS**

#### **Computational Biologist**

Georgia Tech

8/19 - 5/20

- Programmed image-processing pipelines in ImageJ & MATLAB to analyze 2D/3D immunofluorescent images

### **MENTAL WEALTH APP**

#### **Lead Programmer & Developer**

Georgia Tech

5/20 - present

- Programmed app-based mental health quiz that helps connect users to tailored mental health resources

## SKILLS

- Languages/software: LinuxOS, Python, Java, MATLAB, ImageJ, R, Bash, HTML/CSS, Zen Blue
- Professional Portfolio Website: <https://bioben.github.io>

## LEADERSHIP & EXTRA-CURRICULAR

### **GEORGIA TECH STUDENT GOVERNMENT ASSOCIATION**

#### **Faculty-Student Development Committee Chair**

Georgia Tech

8/18 - present

- Sole Undergraduate Representative on selection committee for Vice Provost for Advocacy & Conflict Resolution
- Created "Illuminate Tech" & "SGA Coffee Takeover", semesterly faculty-student networking events 500+ participants
- Created & implemented *Mini-Mesters*, 10+ new, cross-disciplinary seminar courses available to students

### **GEORGIA TECH DEPARTMENT OF HOUSING**

#### **Peer Leader Resident Assistant**

Georgia Tech

2/19 - present

- Recipient of "Our Beloved Community" Award, selected by GT Housing Administration & Staff out of 300+ RA's
- Certified & respond to student suicide, drug & alcohol, emotional & academic stress crises events
- Mentor 300+ freshmen, provide social & academic advice, resolve roommate conflicts, organize social events

### **CONSULTORIO MEDICO HISPANO**

#### **Clinical Assistant**

Chamblee, Georgia

8/15 - present

- Spanish-speaking employee at government-subsidized clinic for economically disadvantaged Latino patients
- See 1000+ patients, check vital signs, conduct glucose analysis, manage patient charts, assist physicians

## AWARDS, ACTIVITIES, INTERESTS

- Keynote Speaker, Institute-wide Convocation Georgia Tech; 800,000+ views (2019)
- Impact Medical Profession Award – Consultorio Medico Hispano (2017)
- Lead singer/lyricist of rock band *Three Toad Stack*, slam-poetry writer and rapper, captain for soccer intramural team