

# KHYE BORG LIEW

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## PROFILE

Computer science educator, instructional coach, and curriculum developer for underserved students and communities.

## EDUCATION

**Teachers College, Columbia University**, New York, NY May 2022  
Masters of Arts, Computer Science Education

**College of Arts and Science, New York University**, New York, NY May 2019  
Bachelor of Science, Major: Chemistry, Minor: Math, Computer Science Education  
Cumulative GPA: 3.87 / 4.0; Honors: *Summa Cum Laude*  
National Honor Society: *Phi Beta Kappa*; National Chemistry Honor Society: *Phi Lambda Upsilon*

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## EMPLOYMENT

**All Star Code**, New York, NY 2019 - present

### Director of Teaching and Learning, 2022 - present

- Interview, hire, supervise, and evaluate 34 instructional staff for the 6-week Virtual Summer Intensive, serving 350 young men of color in the learning of 3 programming languages
- Deliver a week-long virtual coaching and professional development to 34 instructional staff, with a focus on healthy CS pedagogy, kinesthetic learning, and virtual community-building
- Scope, design, develop, and refine CS curriculum that is engaging and meets National CS Standards
- Partner with Senior Director of Programs and Executive Director to develop and execute evaluation frameworks and analyze 3rd party reporting for program improvements
- Lead the Teaching and Learning Team in the development and execution of ASC's AI Literacy Curriculum, Lead Instructor Prep Program, Crack the Code, Challenge Zone, Weekend Intensive, and Talent in Tech Academy

### Senior Curriculum Manager, 2019 - 2022

- Identify and design new, fully asynchronous learning opportunities in the virtual Summer Intensive
- Implement educational learning tools such as the Pluto LMS (learning management systems) and Class (video conferencing platform) to enhance online and blended learning environments
- Partner with Scholar Services Manager to plan, execute, and measure annual curriculum objectives for coding-based Scholar Services
- Supervise Technical Program Associate in the construction of the ASC Curriculum Website, Technical Assessment Portal, programming visuals, playbooks, etc.

**NYU Courant Institute of Mathematical Sciences**, New York, NY 2022 - present

### Adjunct Professor of Computer Science

- Design and deliver an online Intro to Computer Programming course each semester, ensuring alignment with departmental objectives and industry standards
- Foster a positive and inclusive online learning environment that promotes student participation and collaboration
- Pioneer the use of LockDown Browser and Respondus Monitor within the course to create a more equitable online testing environment for all

**All Star Code**, New York, NY 2019

### Lead Instructor

- Serve as the instructional leader in CS and Core Skills delivery to a cohort of 40 young men of color
- Work with 20 high-level corporate partners and facilitate programming with 8 speakers
- Manage 12 Demo Day student coding projects and lead the planning and execution of Demo Day
- Supervise and coach a Teaching Assistant and a Teaching Fellow in the Summer Intensive program

**NYU Courant Institute of Mathematical Sciences**, New York, NY

2017 - 2021

### **CS Teaching Assistant**

- Lead tutoring sessions to guide college programmers in the learning of CS course content (Python, JavaScript, HTML/CSS)
- Evaluate student programming projects and issue feedback to drive forward project progression
- Partner with CS professors in strategizing effective pedagogy for virtual CS teaching and learning

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### **AWARDS**

**George Granger Brown Award in Chemistry**, New York University, 2019

**Departmental Scholar Award**, New York University, 2019

**University Honors Scholar**, New York University, 2019

**Level IV Golden Diploma**, 9th World Choir Games, Sochi, Russia, 2016

**Level V Gold Medal**, 4th Bali International Choir Festival, Bali, Indonesia, 2015

**Gold Medal**, 6th Hong Kong International Youth Music Festival, Hong Kong, 2014

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### **TECHNICAL SKILLS**

**Programming** JavaScript, Java, Python, C, HTML, CSS, p5.js, Vue.js, Processing, A-Frame, Firebase

**Spoken Languages** English, Cantonese, Mandarin, Malay