

# Arielle Bishop

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Availability: Jan-June 2020

## EDUCATION

**NORTHEASTERN UNIVERSITY**, Boston, MA Sept. 2017 - Present

**Khoury College of Computer Sciences**

*Candidate for a Bachelor of Science in Computer Science and Media Arts* Expected May 2022

Activities: Performer for Blessed Sacrament Colorguard, placing at international finals

GPA: 3.589

**KENT CAREER TECH CENTER**, Grand Rapids, MI Sept. 2016 - May 2017

Dual-Enrollment Program: 3D Animation and Game Development

Activities: 2nd in competition at Skills USA Michigan for 3D Animation and Storytelling

**NORTHVIEW HIGH SCHOOL**, Grand Rapids, MI Sept. 2012 - May 2017

Honors: 4.3/4.0 GPA | Dean's List | National Honor Society

Activities: Policy Debate | Gay-Straight Alliance | Colorguard

## KNOWLEDGE

Languages: Java | PostgreSQL | Processing | Racket | JavaScript | HTML | CSS

Frameworks: Spring | Vue.JS | Node.JS | Swing

Software: IntelliJ | Eclipse | pgAdmin | Autodesk: Maya, 3D Studio Max | SketchUp Make | Audacity

Adobe: Photoshop, Illustrator, InDesign, Premiere, AfterEffects

## PROJECTS

- Designed and implemented the Ship Route Manager to allow users to easily manipulate and validate contents of database via a graphical user interface. (Java, PostgreSQL, Vue.js)
- Developed an application to produce animations with a full graphical interface. (Java, Swing)
- Created a VR game in Unity in which the user can navigate between scenes using eye contact. (C++)

## WORK EXPERIENCE

**CHEWY**, Boston, MA Jan. – June 2019

Software Engineering Co-op

- Designed & Implemented Ship Route Manager project, including:
  - Database: schema, connection pool, db management methods (PostgreSQL, Hikari CP, JDBI)
  - Backend: excel parsing & validation, REST APIs, servlet (Java, Spring Framework, Jetty)
  - Frontend: user interface, file upload (Vue.JS)
- Collaborated with senior UX developer to design wireframes for Ship Route Manager.

**ZERO VFX**, Boston, MA Sept. – Dec. 2019

Animation Intern

- Conducted individual project investigating particle effects in Houdini.

## INTERESTS

Virtual Reality | Video Games | Contemporary Dance & Color Guard | Psychology

Portfolio can be found on personal website. References available upon request.