

NESMA BELKHODJA

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EDUCATION

New York University, New York, NY

Graduated May 2019

Bachelor of Arts in Computer Science, minor in Studio Art

- **NYU Dean's Scholar** (small group of students selected by dean)
- **NYU Presidential Honors Scholar** (top 5% of incoming class)

TECHNICAL SKILLS

Programming / Scripting Languages:

Java, JavaScript, Python, C, C#, PHP

Operating Systems:

Windows, Linux, UNIX

Web Site Development: TCP/IP Programming, Node.js, Express Bootstrap, Socket.IO, HTML, CSS

Database Development: SQL, MySQL, MediaWiki, WikiBase, Drupal, SPARQL, Mongo DB

Other Tools: Blender, Unity 2D / 3D, Eclipse, Photoshop, Premiere, After Effects

Spoken Languages: English (Native), Arabic (Fluent), French (Fluent), Chinese (Beginner)

WORK EXPERIENCE

Courant Institute of Mathematical Sciences, New York, NY

Winter 2017- July 2019

Research Assistant -- Artist Archives Initiative

- Created a web-based collections management system using MediaWiki and SPARQL for performance artist, Joan Jonas
- Collaborated with art historians and curators to create to a system as a model to support research, conservation and exhibition for contemporary artists

Future Reality Lab, New York, NY

Summer 2018- July 2019

Research Assistant

- Contributed to research projects focusing on multi-user virtual and augmented reality under Professor Ken Perlin
- Developed virtual reality experiences for the Microsoft Mixed Reality Headset using C# in Unity

NYU IT Service Desk, New York, NY

Fall 2017- July 2019

Help Desk Support Staff

- Provided tier-1 assistance to university faculty and students in resolving IT issues
- Escalation point for issues with network issues, VPN, and desktop applications

WNYU 89.1 FM, New York, NY

Spring 2016- July 2019

Program Director / Music Director (2017-2018) / Host

- Helped to determine overall air sound, making certain that the programming and its execution fulfills the overall station mission and is compliant with FCC Regulations
- Managed music programming, evaluated music submissions, and curated new music library
- As Music Director, independently developed web app that generates weekly new music chart for 600+ subscribers using Javascript and MongoDB
- Hosted a weekly 3-hour music show on NYU's radio station

NYU Courant Institute of Mathematical Sciences, New York, NY

Fall 2017

Undergraduate Teacher's Assistance / Calculus I

- Worked with students on an individual and group basis to help complete assignments and reinforce concepts

Store Reporter, Potomac, MD

Summer 2017

Web Development Intern

- Implemented CSS and HTML to overhaul existing website

iD Tech Summer Camp, College Park, MD

Summer 2016 and 2017

Lead Instructor / Assistant Director

- Taught courses in Robotics, Coding, and Game Design
- Supervised a team of 6 instructors - enforced safety regulations, planned activities, and managed client relationships