OSCAR DADFAR

Student • Artist • Creator

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▸ www.cardadfar.com

Education

Morris Hills High School	98.7 GPA
AP Capstone Program	*June 2017*
Magnet Program for Math, Science, & Research	
Carnegie Mellon University	3.8 GPA
Bachelor's of Fine Arts	*May 2021*
Minor in Computer Science	

Recognition

AP Capstone Diploma	*June 2017*
AP Scholar with Distinction	*June 2016*
Perfect Attendance	*Sept. 2009 - present*

Coursework

17-428	Machine Learning & Sensing	*Fall 2018*
11-344	Machine Learning in Practice	*Fall 2018*
17-214	Principles of Software Construction	*Fall 2018*
60-411	Art & Machine Learning	*Spring 2018*
60-212	Interactivity & Computation	*Spring 2018*
	For Creative Practices	
21-127	Concepts of Mathematics	*Fall 2017*

Projects

Skeleton Animation *Fall 2018*
Training Pix2Pix on stick-figure & edge detected pairs of images to get animation outlines from stick figures.

After Effects Plugin Development *Fall 2018*
Polygon rendering environment in C++ that links OpenGL with After Effects SDK to render a sketch overlay on edge-detected footage.

Motion Capture Scripting *Spring 2018*
Converts OpenPose 2D mocap data into keyframed vector graphics in After Effects using ExtendScript.

Autonomous Environment Texturing *Spring 2018*
Texturing a procedurally-generated semantic segmented city in Unity using Pix2Pix trained on the GTA V dataset.

For additional info on projects, visit cardadfar.com/projects

Skills

After Effects	Python	Video Editing
Flash Professional	JavaScript	2D Animation
Premiere Pro	P5.JS • JQuery	Graphic Design
Illustrator	Java	Comp. Arts
Photoshop	C / C# / C++	UI/UX
InDesign	HTML/CSS	
	Latex	

For additional info on skills, visit cardadfar.com/skills

Service & Work

Animation Intern [Move For Hunger] **2 months**
Produced a 30 sec. 'Food Drive' ad from storyboards to animatic, editing & post production. *Jun. 2018 - Aug. 2018*

Undergrad Research Assistant **4 months**
[Studio for Creative Inquiry] *Oct. 2017 - present*
Developed batch scripts in Python for API image recognition services such as Google Vision, Amazon Rekognition, Affectiva, and more.

QuarkNet Researcher [Rutgers] **2 weeks**
Summer work on CERN data analysis, cosmic ray detection, and discussion on the universe. *June 2016 - July 2016*

Volunteer [Saint Clare's Hospital] **2,200 hours**
Reception Desk • ER Transport • Gift Shop *Mar. 2013 - present*

For additional info on service & work, visit cardadfar.com/experience

Leadership

Instructor [Self-Led Animation Course] *Fall 2018*
Teaching students video editing, motion graphics, & animation.

Design Team Leader [Scotty Labs] *Fall 2018 - Spring 2019*
Rebranding applications, websites, and hack-a-thons for Carnegie Mellon.

Project Advisor [Project Ignite] *Fall 2017 - present*
Providing High Schoolers with an interdisciplinary project-based education.