SOPHIA CHEN CAO

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EDUCATION

CARNEGIE MELLON UNIVERSITY
BFA in Fine Art, Minor in CS (2016-2020)
+ Principles of Imperative Programming
+ Functional Programming
+ Introduction to Computer Systems
+ Computing for Creative Practices
+ Ideas in Theoretical Computer Science

SKILLS

SOFTWARE
+ MongoDB
+ Docker
+ Jenkins
+ Chef
+ Illustrator
+ Photoshop
+ Premiere
+ Git
+ Autodesk Maya (MEL)
+ Rhino
+ Blender
+ Audacity
+ After Effects
+ MS Office

CODING LANGUAGES
+ Java
+ Javascript
+ Python
- Open Frameworks
- Powershell
+ HTML / CSS
+ C / C++ / C#
+ Processing
- MySQL
- Ruby on Rails

CODE LIBRARIES
+ Node.js
+ Angular.js
+ Express.js
+ three.js
+ Babylon.js
+ p5.js

LANGUAGES
+ Mandarin
+ English

REFERENCES

Kevin Acken
The OhZone Inc
kevin_acken@hotmail.com

Jose Altamirano
Oath
(310)-607-0927

Oh Tepmongkol-Wheaton
The OhZone Inc
otepmong@yahoo.com

WORK EXPERIENCE

INTERN – RAYTHEON
El Segundo, CA (Jun 2018 - Aug 2019)
+ Participated in DevOps dialogue regarding transitioning into an Agile environment
+ Scripted for toolchain functionality, VM management (Python, Shell, Powershell, Ruby, Docker, Git, Jenkins, Chef, Amazon EC2 API)
+ Researched software tools and their usage especially in the role of automation
  -i.e. Ansible, Synopsis Black Duck, Terraform, etc.
+ Supported mature programs with their issues and advised them on DevOps-related solutions
+ Worked as an organizer/Scrum Master for a cohesive team that worked to facilitate company operations

INTERN – THE OHZONE INC
San Jose, CA (Jun 2017 - Aug 2017)
+ Worked within a team in the areas of 3D models, programming, and web display
+ Researched competing WebGL packages
+ Created web pages for model viewing, lighting, and animation comparisons

ICEE SOLUTIONS
Mountain View, CA (August 2014 – Current)
+ Engineered ways to display technical info
+ Logo development, graphics development

PROJECTS

VARIOUS COURSEWORK
includes:
+ implementation of memory allocation in C
+ a simple proxy server between a client and server
+ simple shell with simple signal handling in C
+ a cache simulator in C
+ 3-D modeling program from scratch in Python
  - capabilities: creating points, lines, planes, deletion

APOCALYPSE GIRL
freeform digital webcomic coded from scratch

DREAMSFO
Google Cardboard game made in Unity3D