

Alexander Fulton Sung

Website: aleksung.com

LinkedIn: www.linkedin.com/in/sungalexander

Github: <https://github.com/asung1372>

Email: alek6@vt.edu

Phone number: 703-973-7257

OBJECTIVE

Recent graduated, I am seeking an internship or full-time position to develop my skills in creating great application software. I strongly believe in products that are versatile and robust, which ultimately begin with careful architecture and clean code. As a software developer and lifelong learner, I am committed to maintaining familiarity with the latest technologies and best practices.

EDUCATION

University — Virginia Polytechnic Institute and State University

Pursuing — Bachelor of Science in Computer Science

Expected Graduation Date — May 2018

TECHNICAL SKILLS

Languages

Programming —

C++, Java

Scripting —

Python, JavaScript, bash, MATLAB

Markup —

HTML, CSS, \LaTeX

API/Frameworks —

Android, OpenGL

Software

Operating Systems —

Windows (10, 8.1, 7), Ubuntu (16.04, Server)

Work Flow —

Unix Command Line, Git, Vim, Make

Platforms —

Amazon Web Services, Wordpress

Multimedia —

Blender (3D modeling), Adobe Photoshop

WORK EXPERIENCE

NREIP ASEE Internship

Research Intern

Washington DC

May 2016 - August 2016

- Worked in Applied Research for Artificial Intelligence department of the Naval Research Laboratory
- Explored methods for incorporating probabilistic graphical models (PGMs) with convoluted neural networks in order to increase accuracy in vision detection problems
- Concluded using PGMs oversaturate weights in convoluted neural networks, rendering them useless

System Software Research Group

Research Assistant

Blacksburg, VA

September 2015 - May 2016

- Assisted Virginia Tech research group with development of Popcorn Linux, an operating system designed for Instruction Set Architecture heterogeneous hardware, multi-core architectures, and optimizing scalability
- Performed benchmark setup, data harvesting, and presented work at conferences

Multi-Camera System for 3D Capture of Bat Flight

Consultant

Blacksburg, VA

September 2015 - December 2015

- Helped with Virginia Tech PhD student's dissertation project involving manipulation of 40 GoPro cameras with microcontrollers to capture and analyze path and wing-shape of a bat during flight
- Discussed camera control systems, synchronization, image processing, and data harvesting

UCLA Neuroscience

Lab Assistant

Los Angeles, California
July 2014 - August 2014

- Assisted in Neuroscience department of University of California, Los Angeles
- Helped in a study linking sex genes to the severity of the effects of multiple sclerosis
- Utilized various lab devices and chemicals to prepare, stain, and analyze brain tissue samples of mice

Factory Five

Shop Assistant

Shanghai, China
May 2014 - July 2014

- Worked at Factory Five, a bicycle designing and distributing company
- Received orders from customers and assembled bicycles according to specification

Fairfax County Public Schools

IT Intern

Chantilly, VA
June 2013 - August 2013

- Internship assisting the technology specialist of Chantilly High School
- Performed troubleshooting and repairs for faculty and staff
- Managed Active Directory, inventory, re-imaging and computer lab setups

PRESENTATIONS

- KairosVM: Deterministic Introspection for Real-time Virtual Machine Hierarchical Scheduling
 - Naval Engineering Consortium Annual Meeting – April, 2016

CURRENT INTERESTS

- | | |
|---------------------------|---------------------------|
| • Virtual Reality | • 3D Modeling & Sculpting |
| • Game Engine Development | • Android Development |
| • The MEAN Stack | • Amazon Web Services |