

Jack Fang

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EDUCATION

College of William & Mary

Major: Computer Science
Major GPA: 3.58

Williamsburg, VA
Expected: May 2019

Thomas Jefferson High School for Science and Technology

Alexandria, VA
Sep 2011 – Jun 2015

Relevant Coursework

- AP Computer Science, Artificial Intelligence 1 and 2, Parallel Computing, Mobile App Development, Web App Development, Computer Systems Research, Discrete Structures, Data Structures
- Calculus I and II, Linear Algebra

PROFESSIONAL EXPERIENCE

Center for Secure Information Systems, George Mason University *Intern*

May 2016 – Jul 2016

- Managed a team of two coworkers to improve existing security on eye-tracking localization technology
- Analyzed and resolved physical and digital Java security flaws of Android software
- Implemented security-based algorithms in Java using the OpenCV libraries to track the current user's behavior and cross-reference it against the default behavior to ensure that the original owner's identity had not been compromised

Technology Solutions, Staples *IT & Computer Repair Lead*

Jul 2016 – Jul 2017

- Headed a team of technicians to engineer specialized and creative strategies to assist clients on an individual, business, and corporate level
- Oversaw client network administration and system deployment through Windows ADK and Microsoft Deployment Toolkit
- Worked with clients to repair physical hardware malfunctions and solve technical software issues

Computer Systems Research Lab, TJHSST *Student Researcher*

Sep 2014 – Jun 2015

- Built an eye/facial recognition app in Android NDK using Haar Cascades to detect sleepy drivers and prevent accidents while driving.

Artificial Intelligence Research Lab, TJHSST *Student Researcher*

Sep 2014 – Jun 2015

- Developed a Python machine learning algorithm for the board game Othello which could calculate optimal moves through weighted squares and next-moves simulations
- Implemented a Python A* search algorithm to detect edges and lines in an image

LANGUAGES & TECHNOLOGIES

- Proficient: Java, Python
- Familiar: Microsoft ADK/MDK
- Non-technical: Fluent in Mandarin Chinese

ACTIVITIES

- **Alpha Kappa Psi Professional Business Fraternity – Omega Chapter**
- **Pho 79**
 - Balanced schoolwork and a part-time job at a local restaurant

Oct 2015 – Present
Oct 2017 – Present