

Brian Ho

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Present Address:

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OBJECTIVE

To obtain a summer internship utilizing my skills and experience in computer science and electrical engineering.

EDUCATION

Carnegie Mellon University (CMU) <i>Pittsburgh, PA</i> Bachelor of Science in Electrical & Computer Engineering Expected Graduation: May 2017 Cumulative GPA: 3.81	2013 - 2017
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Raffles Junior College <i>Singapore</i> GCE "A" Levels	2009 - 2010
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PROJECTS

GeoLingual – Designed the backend and user interface for an app that allows you to learn a new language with useful phrases based on places you frequent in your everyday life	Mar 2016
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SoundProof – Proof of concept 2FA app that uses ambient sound/noise to authenticate a user	Jan 2016
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heartships – A social good platform for people to connect with people in need and link them up with jobs or other opportunities	Aug 2015
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MuSc – Worked on backend to distribute video across multiple devices, combining their screen space to make a large screen display	2014
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LANGUAGE AND SKILLS

Languages	English (native), Mandarin (fluent), Bahasa Melayu (intermediate)
Programming	Python, Java, C, Swift, VB, NodeJS

WORK EXPERIENCE

Research Intern	Centre for Strategic Infocomm Technologies Wrote plugins for Clang Static Analyzer to detect use-after-free and double-free vulnerabilities.	May 2015 – Aug 2015
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Research Intern	Centre for Strategic Infocomm Technologies Wrote research paper on web application vulnerabilities in popular CMS such as WordPress, Joomla and vBulletin. Developed proof of concept code that injects payloads into these web applications for future backdoor entry.	Jan 2013 – Aug 2013
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Combat Trainer (2 nd Sergeant) and 2IC, Network Section	Platform Training Wing, Motorized Infantry Training Institute, Singapore Armed Forces Trained cadet officers and NCOs on the operation of the Terrex Infantry Carrier Vehicle. Also created a Battle Management System (BMS) simulator to cut training time by two-thirds, and a BMS automatic configuration script for operational use.	Mar 2011 – Mar 2013
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AWARDS AND HONORS

Dean's List, Carnegie Institute of Technology, CMU	Fall 2013 Spring 2015 Fall 2015
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