

# PHONG V. CAO

6 Lodge Lane • East Setauket, NY 11733-3302

(631) 375-6005 • phongvcao@phongvcao.com • www.phongvcao.com

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## EDUCATION

### **Stony Brook University**

Bachelor of Science, Computer Science - Game Programming

Stony Brook, NY

May 2015

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## COMPUTER SKILLS - GENERAL

**Database:** Microsoft Access, MySQL, SQLite

**Operating Systems:** Microsoft Windows, Redhat/Fedora Linux, Ubuntu Linux, Mac OSX

**Software:** Adobe Photoshop, Illustrator, Dreamweaver, Microsoft Office Suite, Internet Browsers, Email Clients

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## COMPUTER SKILLS - ADVANCED

**Programming Languages:** C/C++, Java, Python, JavaScript, Visual Basic

**Libraries:** STL, Boost, Django, jQuery, SQLite3, MediaInfo

**Linux Libraries:** Gtkmm, GStreamermm, libxml++, libnotify, gettext

**Markup/Scripting/Query Languages:** HTML, CSS, XML, SQL, Bash

**Development Tools:** Eclipse, GDB, GCC, Valgrind, Autotools, GNU Make

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## PROGRAMMING PROJECTS

### **Dingo Media Manager**

*Personal Open-Source Project*

Stony Brook, NY

Jun 2011 - Present

- Develop and maintain Dingo Media Manager, an open-source software that helps Linux users manage and enjoy their video and audio collections.
- Languages Used: C/C++, SQL (SQLite), XML
- Libraries Used: Boost, Gtkmm, GStreamermm, MediaInfo, SQLite3, libxml++, libnotify, gettext
- Design Patterns: Observer, Delegation, Facade, Model-Delegate (Model-View-Controller)
- Development Tools: Eclipse, GDB, GCC, Valgrind, Autotools, GNU Make

### **www.dingo-project.org**

*Personal Web Development Project*

Stony Brook, NY

Jan 2013 - Feb 2013

- Developed <http://dingo-project.org/>, the official database-driven website for Dingo Media Manager - my first personal open-source software.
- Languages Used: Python, HTML, CSS, JavaScript, SQL (SQLite)
- Libraries Used: Django, jQuery, SlidesJS, TinyMCE, SQLite3, fancyBox
- Development Tools: gedit, Firefox, GIMP, Inkscape, FireBug, MySQL Workbench

### **www.phongvcao.com**

*Personal Website Project*

Stony Brook, NY

Jun 2012 - Feb 2013

- Developed <http://phongvcao.com/>, a website that serves as the online gateway to all of my social networking profiles and professional portfolios.
  - Languages Used: Python, HTML, CSS, JavaScript
  - Libraries Used: Django, jQuery, Crocodoc, Professor Cloud Carousel, ImageFlow, jQuery Cycle, fancyBox
  - Development Tools: gedit, Firefox, GIMP, Inkscape, Scribus, FireBug, SpritePad
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## ADDITIONAL SKILLS

**Speaking Languages:** Vietnamese (native), English (fluent), Chinese (basic communication)