

# PHONG V. CAO

375 Old Town Road • Port Jefferson Station • NY 11776-2256  
(631) 375-6005 • phongvcao@phongvcao.com • www.phongvcao.com

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## EDUCATION

**Stony Brook University**  
Bachelor of Science in Computer Science

Stony Brook, NY  
May 2015

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## COMPUTER SKILLS

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

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

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

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

**Libraries:** STL, Boost, Django, Swing, jQuery, SQLite3, MediaInfo, Libxml2

**Linux Libraries:** GTK+/Gtkmm, GStreamer/GStreamermm, libxml++, libnotify, gettext

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

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

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## RELEVANT EXPERIENCE

**Stony Brook University**  
*Teaching Assistant - Computer Science Department*

Stony Brook, NY  
Sept 2013 - Present

- Assist students during lab sections by reviewing lecture notes, homework assignments and lab exercises.
- Proctor examinations with instructors and other teaching assistants.
- Classes Assisted: *Object-Oriented Programming in Java (Dr. Paul Fodor)*

**Stony Brook University**  
*Academic Tutor - Academic Success and Tutoring Center*

Stony Brook, NY  
Jan 2014 - Present

- Prepare students for academic tests and quizzes by organizing pre-exam lecture review sessions.
- Develop tutoring and training materials including formula handouts, study tips and chapter notes.
- Classes Tutored: *Object-Oriented Programming in Java, Physics I*

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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, Git, 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, Git, 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, Git, Firefox, GIMP, Inkscape, Scribus, FireBug, SpritePad