

Prawat (Pong) Trairatvorakul

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MAILING

ADDRESS

206 Elm St #205462
New Haven, CT 06520
USA

SKILLS

PROGRAMMING

C • Python • Matlab
HTML • CSS • Javascript
PHP • MySQL • LaTeX

LANGUAGES

English (Fluent)
Thai (Fluent)
Mandarin (Intermediate)

MEDIA SOFTWARE

Adobe Illustrator
Adobe Photoshop
AutoCAD
Final Cut Pro
Logic Pro

MUSIC

Piano (16 years)
Violin (15 years)
Percussion (4 years)
Carillon (3 years)

RELEVANT

COURSES

TAKEN

Data Structures &
Programming Techniques
Systems Programming
Intro Electronics
Intro Computer Engineering
Communications,
Computation &
Control
Linear Algebra &
Matrix Theory

CURRENT SEMESTER

Digital Systems
Circuits & System Design
Natural Language Processing

EDUCATION

YALE UNIVERSITY New Haven, CT | Expected May 2018
B.S. ELECTRICAL ENGINEERING AND COMPUTER SCIENCE
Current GPA: 3.96/4.0

BANGKOK PATANA SCHOOL Bangkok, Thailand | 2004 - 2014
INTERNATIONAL BACCALAUREATE

Received full 45 in IB Diploma with additional subject (Further Mathematics)

SELECTED WORK EXPERIENCE

UNDERGRADUATE TEACHING ASSISTANT Fall 2016

CS50: INTRODUCTION TO COMPUTING AND PROGRAMMING
Lead weekly 90 minute sections and hold weekly office hours
Grade problem sets and exams

DESIGN AIDE Sep 2015 - Present

YALE CENTER FOR ENGINEERING INNOVATION AND DESIGN
Develop and lead workshops for members
Assist members and ensure safety in area

MEDIA TECH Jan 2015 - Present

YALE STUDENT TECHNOLOGY COLLABORATIVE
Assist students and staff with media projects

SUMMER INTERN Jul 2013 - Aug 2013

NATIONAL ELECTRONICS AND COMPUTER TECHNOLOGY CENTER, THAILAND
Researched and produced a report on potential applications of visible light communication

SELECTED ACTIVITIES

DAVENPORT POPS ORCHESTRA Fall 2014 - Present

CO-PRESIDENT

Lead entirely student run 80-person orchestra to perform student-arranged programs four times a year

YALE UNIVERSITY GUILD OF CARILLONNEURS Fall 2014 - Present

LIBRARIAN, WEBMASTER, RECORDING ENGINEER

Currently developing a digital content management system to effectively organize and retrieve from 4000 piece sheet music library

YALE UNDERGRADUATE AEROSPACE ASSOCIATION Fall 2014 - Spring 2015

MEMBER OF ADVANCED UAV TEAM

Modified and assembled the airframe of an unmanned aerial vehicle

SELECTED HONORS AND AWARDS

- 2016 Tau Beta Pi Engineering Honor Society (top 12 percentile)
- 2016 Richard U. Light Fellowship, East-Asian language study abroad Fellowship
- 2014 Outstanding Youth Award, Ministry of Education, Thailand