VINCENT CHEN

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EDUCATION

Stanford University, Stanford, CA – pursuing B.S. in Computer Science **Class of 2018**
- Relevant Coursework: Programming Abstractions; Computer Organizations and Systems; Vector Calculus; Modern Statistics and Data Analytics

High Technology High School, Lincroft, NJ – GPA: 4.0 / 4.0 **Class of 2014**
- SAT: 2320 (Math 800, Writing 800, Critical Reading 720)
- Relevant Coursework: Engineering Design; Digital Electronics; Software-Integrated Manufacturing
- *#1 Best Public High School, Niche Rankings 2015*

EXPERIENCE

Stanford Student Enterprises, Advertising • ***product development intern*** • Stanford, CA **Oct2014 – Present**
- Designed mobile application to distribute coupons and deals for San Francisco Bay Area businesses
- Utilized wireframe tools and iterative design methodology to gear user flow towards local college students
- Facilitated the transition from print to mobile advertisement technologies

Stanford Blyth Fund • ***risk management developer*** • Stanford, CA **Oct2014 – Present**
- Implemented interface for mySQL database and user portfolio in investment management platform
- Developed module allowing users to define benchmarks for portfolio comparison

Columbia University Biomedical Engineering • ***electrical engineering intern*** • New York, NY **Sep2013 – Jan2014**
- Engineered thermal cooling system for LED phototherapy unit through testing and internal redesign
- Reduced device's operational temperature by 35% to achieve the safe threshold for neonatal skin
- Collaborated with health professionals to target global health initiative in Mulago Hospital, Uganda

Stevens Institute of Technology • ***research engineering intern*** • Hoboken, NJ **Jun2013 – Sep2013**
- Designed and fabricated PZT nanogenerator for energy harvest from ambient airflow
- Utilized SolidWorks modeling software and simulation to iterate through testing and development phases
- Recognized as Top 10 Finalist of 2014 Monmouth Junior Science Symposium

PROJECTS

enCal • ***developer*** • CalHacks Fall 2014 • challengepost.com/software/encal **Oct2014**
- Automates scheduling by extracting events from email and importing them into Google Calendar
- Utilized natural language processing to extract event data from both plaintext and image formats

Publication: "Piezoelectric Leaf Generator for Wind Energy Harvest" • ***co-author*** **Aug2014**
- Discusses novel PZT nanogenerator that harvests mechanical energy for self-sufficient micro/nanodevices
- Published for American Society of Mechanical Engineers 2014 IDETC/CIEC

HTHS Secret Santa • ***developer*** • hths-secret-santa.tk **Sep2012 – Present**
- Open source Secret Santa client for students at High Technology High School
- Facilitated 197 gift exchanges among total 280 members of total student body
- Features pairing algorithm and unique user preferences for optimized user experience

SKILLS

C++ • Java • JavaScript • Python • PHP • mySQL **Development**
HTML5 • CSS3 • jQuery • Bootstrap 3

Arduino • Autodesk Inventor • SolidWorks • Multisim • LaTeX **Engineering**

Photoshop • Illustrator • InDesign • Premiere Pro **Design / Media**

MATLAB • Microsoft Excel **Research and Data**

ORGANIZATIONS

Businesses Association for Stanford Entrepreneurial Students (BASES) • Stanford Student Enterprises (SSE)
HTHS Robotics Team (Vice President) • Technology Student Association (Vice President)