Kevin Tan
coder, musician, compulsive creative

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Education

Yale University, 2012 - 2016
B.S. Physics
Relevant Courses: Data Structures, Numerical Computation, Computer Graphics and Data Mining
Directed Studies, a year-long interdisciplinary study of the Western canon

Coding Experience

Primary language: Python
Proficient: C, HTML, CSS, Javscript, Flask, Meteor, NodeJS, Unreal Engine, SciPy
Competent: C++, Cython, Matlab, PySpark, Angular, MySQL, MongoDB, R, Objective C, Cocoa Touch,

Experience, Research and Leadership

current
Co-founder and Director of YHack (yhack.org)
    Premier hackathon at Yale, with 1000 hackers from US and abroad
Researcher at Yale Department of Physics
    Building Astropy package for astronomers to study evolutionary history of dark matter halos.
    Involving parallelized cloud computing and data analysis
Co-founder of CodeBlue, a high school learnathon (codeblue.yhack.org)
    A web development workshop for 200 high school students from the New Haven area.
Computer Assistant at Digital Media Center for the Arts
past
Yale Office of Public Relations and Communications
    Social media intern and photographer for Yale Instagram
Yale Center for Engineering and Design Summer Fellow
    Developed architectural application described below (HackReality)
Web Developer for Yale Undergraduate Rover Association
Yale Philosophy Review
    Editor of History of Philosophy

Projects and Awards

FiscalNote API Prize at HackMIT 2015
    citizenCAN is a web app that filters through the complexity of the legislative process in order to
    let you act on Congressional bills that matter to you.
HackReality
    An architecture visualization project that allows users to import their 3D rendering and walk
    through their model, interact with objects, and manipulate materials and lighting. Built with
    Unreal Engine using an Oculus and Kinect interface.
Sticktionary
    Chinese language learning book and phone app built with Objective C.
Web Portfolio for Annelisa (www.annelisaleinbach.com)
Brick Oven Pizza (newhavenbrickoven.com)
    Online ordering website for New Haven restaurant, using Nodejs, Angular, Stripe and Sendgrid.
Godflow
    A gesture-based DJ controller using the Myo Armbad. Feeds Myo gesture data positional data to
    virtual midi port, which then interfaces with Ableton. Built in C++
Calhoun Buttery Web App (calhounbuttery.com)
    A real-time food ordering web app for the residents of Calhoun College at Yale. Built using Flask
    and websockets. Stores orders and queries data in SQL database.
First Place Team at Google 24 Hours of Good Hackathon (NY Office), 2013
    Phishing detection game for training company to avoid phishing attacks
Creative and Performing Arts Grant for production of music album, awarded by Yale Council of Masters