

# Vincent Tantra

<https://vtantra.github.io/>

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## EDUCATION

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**University of California, Berkeley** - *B.S. in EECS, 3.39 GPA*

AUG 2017 - MAY 2021 (EXPECTED), BERKELEY

- **Coursework:** Data Structures, Artificial Intelligence, Algorithms, Design of Info Devices & Systems, iOS Development, Discrete Mathematics, Probability Theory, Multivariable Calculus.
- **Key Skills:** Java, Python, UX/UI, Unity Game Development Engine, Graphic Design

**Singapore American School** - *High School Degree, 4.42 GPA*

AUG 2013 - JUN 2017, SINGAPORE

- **Coursework:** Game Development, Innovation & Design, Statistics, Macroeconomics, Microeconomics, Psychology

## SKILLS

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- **Coding Languages:** Java, Python, C, JavaScript, SQL, Lisp, Git, HTML, CSS
- Design/Artistic programs: Adobe Illustrator, Maya, Unity, Adobe Premiere Pro
- Powerpoint & Excel for presentations, accounting, & management
- Strong leadership, public speaking, & team building skills from other activities (MUN, athletics, dance, etc.)
- Languages: Chinese & Spanish at a conversational level

## PROJECTS

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**iOSudoku** - *Swift*

APR 2018

- Collaborated with a development team of four to produce a version of the popular puzzle for iOS devices
- Researched puzzle generation algorithms, contributed to the GUI design, & outlined the framework (such as which features to include)

**Mystery Dungeon** - *Java*

MAR 2018

- Applied Java coding practices & statistics to develop an algorithm that generated a pseudo-random maze structure
- Developed an amusing rendition of the "Pokémon Mystery Dungeon" series, creating rudimentary AI for maze-crawling enemies, randomly generated collectibles, save states, difficulty settings, & entertaining mission objectives

**BlackJack** - *Java*

MAR 2016

- Adapted skills learned from coursework to recreate the card game as a personal project
- Utilized fundamental data structures to simulate different aspects of the game, such as money, the deck, the hand, etc.

## EXPERIENCE

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**Design Chair** - *The [M]ovement Dance Organization*

AUG 2018 - PRESENT, BERKELEY

- Nurturing the dance community at Berkeley by creating aesthetic designs to aid in marketing & building spirit
- Supporting a smooth workflow within the organization by providing a large quantity of quality designs in 24-hour turnover periods

**Academic Intern** - *Computer Science 61 Series*

JAN 2018 - AUG 2018, BERKELEY

- Fostering the growing introductory computer science community at UC Berkeley by providing mentoring & debugging assistance during lab sections & office hours
- Volunteering to provide logistical support to students due to a strong knowledge on course policies

**Website Designer & Developer** - *Stella's Child NGO*

APR 2016 - APR 2017, SINGAPORE

- Revitalized the online presence of Stella's Child by creating their official website & mentored other students to continue to develop its features after my graduation
- Communicated with the CEO to design a site that delivered relevant & concise content with style & was named a Recognized Contributor in 2015

**Managing Editor** - *Parallel Ink Online Magazine*

JAN 2013 - JUN 2017, SINGAPORE

- Empowered the international youth writing community by guiding 5 editors to provide personalized, constructive feedback for hundreds of poems, narratives, & essays
- Developed local interest in the online writing culture by presenting a pre-recorded Q&A at a panel for the Singapore Youth Writing conference (All In! 2016)

## LEADERSHIP & AWARDS

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- Growing A Future Organization Service Club Co-President & Technology Officer (2017)
- Commended for the National Merit Scholarship Program (2017)
- Interscholastic Association of Southeast Asian Schools Badminton Tournament Silver Medalist (2016, 2017)