Terrence James Diaz

Software Engineer

I'm a recent graduate from Harvey Mudd College with a strong attraction towards UI, UX, and HCI. I'm particularly interested in how design interacts with the unique properties and ergonomics of technology. I love community engagement and social work, so one of my main interests is thinking critically of ways in which I can uplift traditionally underprivileged and underrepresented groups through technology and design.

✉ terrencejamesdiaz@gmail.com 📱 (323) 632-6652

🌐 behance.net/terrencejames in linkedin.com/in/terrence-james-diaz

� github.com/terrencejames

EDUCATION

B.S. Computer Science, Concentration in Asian-American Studies
Harvey Mudd College

08/2013 – 05/2017   *Claremont, CA*
Senior Capstone Clinic Project
- Dynamic Website Updating (Industry Sponsor: GoDaddy, Inc)

WORK

Software Engineer
Laserfiche ⌕

12/2017 – Present   *Long Beach, CA*
Tasks
- Develop iOS, Android, and UWP mobile applications in C# using Xamarin, focusing on full-stack
- Give talks on technical work, act as team's scrum master, mentor jr. members, conduct interviews
- Led project to explore/revamp app UI to conform to platform/industry standards, review team UX decisions

Creative Graphic Designer & Web Developer
The Hive Center for Creative Collaborativity ⌕

09/2016 – 05/2017   *Claremont, CA*
Tasks
- Facilitate design thinking workshops, outlets, and resources; inspired by Stanford's d. School
- Create publications, prints, logos, and other designs for outreach and advertisement
- Promote design/creativity institutions through various projects, such as motion graphics

Software Developer, GoDaddy Team
Harvey Mudd CS Clinic Program

08/2016 – 05/2017   *Claremont, CA*
Awarded Outstanding Computer Science Clinic Team 2017
Tasks
- Engage in all stages of software development cycle, from mockups to implementation to testing
- Prepare and present talks to inform audiences about project status and challenges
- Draft and write various technical reports to sponsor for updating and institutional documentation purposes

Tutor and Grader
Harvey Mudd College CS Department

09/2014 – 01/2017   *Claremont, CA*
Tasks
- Assist students in introductory computer science courses and grade projects
- Tutor kids K-12 with various math/science subjects

WORK

Sustainability Intern
Harvey Mudd College Facilities and Maintenance

05/2016 – 08/2016   *Claremont, CA*

Tasks
- Draft and write technical reports detailing energy usage of various school facilities
- Conduct research and analyze various solutions to sustainability problems in school

Research Assistant
Harvey Mudd College CS Department

05/2015 – 09/2015   *Claremont, CA*

Tasks
- Area: CS pedagogy and outreach; focused on Arduino curriculum and CS fundamentals
- Assisted with designing a CS curriculum in fundamentals such as algorithms and programs for elementary and middle school students
- Outreached and held workshops for various school teachers in Waimea, HI and Pomona, CA

COMMUNITY SERVICE AND ENGAGEMENT

Support Staff, Media and Technology
Lakas Filipinx Mentorship Program ☐

08/2017 – Present   *Southern California*

District Member Recognition Committee Member
Circle K International ☐

05/2016 – 05/2017   *California, Nevada, Hawaii*

District Membership Development and Education Committee Member
Circle K International ☐

05/2014 – 05/2015   *California, Nevada, Hawaii*

Club Adviser - CSU Long Beach Circle K
Kiwanis International ☐

01/2018 – Present   *Long Beach, CA*

President
Circle K International, Claremont Colleges ☐

03/2014 – 04/2016   *Claremont, CA*

PROJECTS

Luxanna (09/2017 – Present) ☐
- Luxanna, a personal project, is a simple bot that can respond to various commands in a Discord server pertaining to League of Legends info retrieved from the provided Riot API and other entertaining things.
- Built in NodeJS

Dynamic Website Updating (08/2016 – 05/2017) ☐
- This project was an industry collaboration between Harvey Mudd College and GoDaddy to create a new feature for GoDaddy's website creation tool (GoCentral). It created a standalone component that may be integrated with GoDaddy's website creation tool in the future.
- The goal of this project was to create a new section for GoDaddy's website editing tool that would allow users to add scheduled announcements to their website. The project currently provides a proof-of-concept for how this would look in GoDaddy's website editor, though it has no website creating functionality as a standalone piece.
- Aspects I focused on: mockups, user interface design, user experience testing, and actual implementation/development
- Technologies included but not limited to: ReactJS, Node, npm, Webpack, MongoDB, Redux, Express

Envirostory (01/2016 – 05/2016)
- Envirostory is an app conceptualized in CS124 Interaction Design to raise environmental issues in Claremont, CA
- Mocked up, wireframed, and prototyped using tools such as InVision and myBalsamiq

Lucid Dream Diary (08/2015 – 12/2015) ☐
- Lucid is a dream journal app created for CS121 Software Development that helps users combat nightmares. It offers several features that help provide insight into dreams and recurring nightmares, and it is organized in such a way as to help users analyze their dreams effectively.
- Created in Android Studio, focused more on implementation and design of UI.

HONORS AND AWARDS

Dean's List (05/2016 – 05/2017)
Harvey Mudd College
- Awarded to students who have obtained a grade point average of 3.0 or better.

Presidential Volunteer Service Award, Bronze (09/2016)
Corporation for National & Community Service
- The President's Volunteer Service Award recognizes United States citizens and lawfully admitted, permanent residents of the United States who have achieved the required number of hours of service over a 12-month time period or cumulative hours over the course of a lifetime. A Bronze award is 300+ service hours.

Distinguished Club Improvement, 2015-2016
Circle K International
- This award is presented to a Circle K club in California-Nevada-Hawaii that has demonstrated growth, development, and improvement from the previous year. It was awarded under my term as President for the Claremont Colleges Circle K Club.

Outstanding Computer Science Clinic Team (05/2017)
Harvey Mudd College
- Computer Science Clinic Team awards are given to individual team members, recognizing their outstanding performance on the team, recognizing their service to the team, the sponsor, and the entire CS Clinic Program.'

Distinguished President, 2014-2015 and 2015-2016
Circle K International
- This award is presented to a Circle K Club President who demonstrates excellent achievement in his/her role. The award illustrates the Distinguished President's dedication, participation, and contribution to Circle K.

PUBLICATIONS

Paper
MyCS at 5: Assessing a Middle-years CS Curriculum ☒

Author(s)
B. Castro, T. Diaz, M. Gee, R. Justice, D. Kwan, P. Seshadri, Z. Dodds

March 2016
This paper shares the five-year development and deployment of MyCS, a CS curriculum for "middle-years students," roughly in US grades 4-10. By tracing MyCS's assessment and evolution, this work highlights how two districts used a middle-years CS foothold from which to establish deeper, district-wide changes in identity.

CONFERENCES

Twitch Developer Day (10/2018) ☒
Attendee

Special Interest Group for Computer Science Education (03/2016) ☒
Speaker/Presenter

Connect.Tech Front-end Engineering Conference (10/2018) ☒
Attendee

Richard Tapia Celebration of Diversity in Computing (02/2015) ☒
Attendee

SKILLS

Programming Languages	Python, C#, Java, C++, Javascript, Racket, Haskell	**Mobile App**	Xamarin, iOS, Android
Front-End	HTML, CSS, Bootstrap, ReactJS	**Adobe Creative Suite**	Photoshop, Lightroom, Illustrator, InDesign, After Effects
UI/UX	myBalsamiq, Invision, Sketch, User Experience Testing	**Interpersonal Skills**	Leadership, Public Speaking, Management, Customer Service, Event Planning
Other	SQL, Git, NodeJS, Matlab, Prolog		

LEADERSHIP AND ACTIVITIES

Society for the Promotion of Japanese Animation (06/2015 – Present)
Manager, Autographs Department

Claremont Colleges Kasama Filipinx Student Organization (09/2015 – 05/2017)
Vice President of External Affairs, Cultural Dance Choreographer

Claremont Colleges Taiko Drumming Group (08/2013 – 05/2017)
Creative Director & Media Manager

Groove Nation Dance Crew (08/2013 – 05/2016)
Performing Member