Ng Yi Jun **Alan**

+ 65 91212629 | nalasark@gmail.com | www.nalasark.com | sg.linkedin.com/in/ngyijunalan

EDUCATION

Singapore University of Technology & Design   May 2015 to present
- Bachelor in Computer Science, Honours
- SUTD Undergraduate Scholarship
- Expected Date of Graduation: Aug 2018

WORK EXPERIENCES

Mixed Reality Undergraduate Researcher   Jan 2016 to present
SUTD-MIT International Design Centre
- Developed virtual reality architecture workflow from Rhino to Unity.
- Developing novel mixed reality experience with 3D mapping and haptic interactions using SLAM computer vision.

Productions Crew   Jan 2015 to present
Picture Perfect Productions, SUTD Productions
- Co-director for several short films and productions assistant for corporate and commercial shoots.
- Screenwriter and lead actor for 'Scripted', which won best cinematography for film studies module.

Gesture Interaction R&D Internship   May to Sep 2016
Digital Planning Lab, Urban Redevelopment Authority
- Implemented different gesture interactions into the internal planning interface, with focus on user experience.
- Produced research documentations with demonstrations at staff conferences with a total of $\sim$ 150 attendances.

CO-CURRICULAR ACTIVITIES

Computer Graphics, Computational Design   Nov 2016 to present
- Auditing computation design architecture courses to develop 3D modelling ability and visual programming.
- Pursuing graphics shading, 3D animation modelling and scripting through online tutorials and personal projects.

Project Director   May to Sep 2016
URA & SUTD, Parking Day Singapore 2016
- Headed the nationwide urban design exhibition with a team of 20 for 4 districts with over 200 exhibitors.
- Pioneered a mentorship program with community design workshops for local art colleges of over 200 students.

SKILLS

- Python, C#, Javascript, Java (experienced)
- Rhino, Grasshopper, Maya Computational Design
- Unity 3D Game Development
- Photoshop, Illustrator Graphic Design
- Premiere Pro, After Effects Film Productions
- Experienced in project management

COMPETITIONS

HDB Cool Ideas Competition (University-level)   1st Place, Most Popular   Jan to Sep 2016
- Led a team of 5 to develop an IOT bed care & sleep monitoring device with a mobile app.
- Won 1st place and most popular award against 22 teams from local universities across 3 competition stages.

SpaceHack! Design Competition for Space Habitats   1st Place   Jul 2016
- Conceptualized and prototyped a virtual reality, retro-fitted body suit and exercising zone for space shuttles.
- Won 1st place against graduate and researcher teams with Unity, Cardboard, and handcrafted prototypes.

SUTD eBot Maze Navigation Competition   3rd Place   Apr 2016
- Won 3rd place against 80 teams by developing a state machine brain in Python for the eBot to navigate mazes.

VOLUNTARY EXPERIENCES

Project LeggoLaos, Publications Team   Dec 2016 to present
Rotaract Club
- 5 months long weekly volunteer program to educate children on service learning.
- 2 weeks long overseas service trip to Laos to construct a multi-purpose hall and teach children handicrafts.
- Designer and photographer for the project.

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Dear Sir/Ma-am,

I am Alan Ng, an undergraduate in Computer Science with a strong passion for the film and animation industry, especially in 3D graphics. With my expertise in programming and design, experience in project management and innovation and passion for storytelling and art, I am certain I fulfil your criteria and can bring more to the table.

My journey in this industry has been a self-pursued one. I have undergone internships, personal projects and competitions in film and storytelling outside of university, such as directing numerous short films, leading design projects and even as a graphic designer for open house. In university, I learn 3D modelling and animation through online tutorials and auditing classes from other majors; this is the reflection of my love for film and animation. With my experiences and relevant competitions in programming and innovation, I am certain these skills will translate to effective project and team abilities.

I have enclosed my resume which highlights my palette of non-academic experiences and innovation competition achievements, which I would love to share with you. I would appreciate a chance to sit down and talk about being your next intern.

Best Regards,

Ng Yi Jun Alan