

Mohanadas Harish Chandar

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Education:

NATIONAL UNIVERSITY OF SINGAPORE

Bachelor of Engineering (Civil), Final Year, Graduating in May 2011

Current Cumulative Grade Point Average: 4.29/5 (Second Upper Honors)

HONORS AND AWARDS

Dean's List, Academic Year 2008/2009 Semester 2

HDB Book Prize (2nd prize for Beam Design Competition), 2009

SIGNIFICANT COURSEWORK

- Water Resources Engineering; Water and Wastewater Engineering; Air Quality Management;
- Geotechnical Engineering; Analytical and Numerical Methods in Foundation Engineering;
- Transportation Engineering; Transportation Management and Policy;
- Structural Analysis and Design; Offshore Structural Analysis and Design;
- Construction Project Management; Reliability Analysis and Design;
- Remote Sensing and Earth Observation; Natural Resources: Policy and Practice;
- Human Capital in Organisations;

RESEARCH EXPERIENCE

Undergraduate Research Opportunities Programme (UROP)

Performed over 130 hours of lab work and participated in proceedings of the National UROP Congress.

Title: "Basic behavior study of cement treated Singapore marine clay".

Work Experience:

ENGINEER INTERN, ENGINEERS 9000 PTE LTD, SINGAPORE

May 2010 – Jul 2010

Gained experience in detailing of reinforced concrete members and design of steel connections. Gained basic understanding about document submission procedures to regulatory authorities for civil and structural works.

LIFEGUARD, PARAMOUNT'S KING'S DOMINION, VIRGINIA, USA

May 2007 – Jul 2007

Experienced working in a multicultural environment in the USA. Worked hand in hand with the local Americans and other foreigners from Asia, Eastern Europe and South America.

SECTION COMMANDER, 5TH SINGAPORE INFANTRY REGIMENT, SINGAPORE ARMED FORCES

Jan 2004 – Mar 2006

Lead and ensured the operational readiness and welfare of a 7-person combat section. Understood what it takes to train, lead and manage teams under difficult and stressful situations. Understood what it takes to gain the respect of one's superiors and subordinates at the same time.

Hobbies and Interests:

URBAN FARMING, GARDENING AND PERMACULTURE

Assisted a local NGO – Ground Up Initiative – in setting up a rooftop garden concept model. Volunteered at local farms and community gardens, and attended courses in Permaculture design. Learnt critical observation skills and patience, and experienced working with nature.

Skills:

COMPUTER APPLICATIONS

- Excellent at Microsoft Office, OpenOffice, Internet and Email applications.
- Considerable experience with COMSOL (multiphysics modeling).
- Some experience with SIGMA/W (geotechnical modeling).
- Considerable experience with SIDRA (transportation and traffic modeling).
- Considerable experience with USFOS (offshore structural modeling) and BEAMD (beam design). Some experience with STAAD.Pro (structural design).
- Considerable experience with AutoCAD and QCAD (drafting).
- Considerable experience with Primavera (project management).
- Considerable experience with GRASS GIS, ArcGIS and TNTmips (geographical information systems and satellite remote sensing).
- Considerable experience with LaTeX (technical writing and typesetting).
- Great interest and considerable experience with libre and open source software such as Linux (operating system), GNUCash (finance), Vim (text editing), IkiWiki (website engine) and GIMP (graphics processing).

LANGUAGES

Fluent in English (first language) and Tamil (mother tongue).

References available upon request