Mohanadas Harish Chandar

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Born: October 23, 1985—Singapore
Nationality: Singaporean

Education

2011 BEng (Civil), National University of Singapore (2nd Upper Honours)
2003 'A' Levels, Victoria Junior College, Singapore (3 A, 1 B, 1 'S' Paper Merit)
2001 'O' Levels, Victoria School, Singapore (7 A1, 1 A2, 1 B3)

Work experience

Feb 2012– present
Assistant Project Engineer, **Teambuild Construction Pte Ltd, Singapore**

- Co-managing the construction of 4 blocks out of 14 blocks and 2 multi-storey carparks in a S$189 million public housing project

- Responsible for planning, execution and control of block-level activities for my 4 blocks

- At the site-level, in-charge of producing and updating the internal master schedule

- Work involves extensive liaising with multiple subcontractors, suppliers and specialists—coordinating their activities, solving problems that arise and driving them to achieve work targets—all in a safe and standards-compliant manner

Jun 2011– Feb 2012
Research Engineer, **National University of Singapore, Singapore**

- Worked on two projects within my research group—one involving wetland management and the other involving river restoration

- Designed the fieldwork methodology for the river restoration project and successfully coordinated the regulatory approval process

- Independently developed a finite-element computational model for the wetland management project to study vegetation-groundwater interactions

- Liaised with suppliers and contractors to procure instrumentation for fieldwork (e.g. water depth and flow measurement sensors, survey equipment)

- Appointed "Safety Lead" and successfully led research group through a Workplace Health and Safety (WSH) audit of lab, office and fieldwork activities

| May 2010–
Jul 2010 | **_Intern_, Engineers 9000 Pte Ltd, Singapore** |

- Assisted my supervising engineers in analysing design changes to industrial piperack structures for the oil and gas industry

- Given the opportunity to design a small concrete bridge for motorcyclists

- Gained an appreciation of document submission procedures to regulatory authorities for civil and structural works

| May 2007–
Jul 2007 | **_Waterpark Lifeguard_, Kings Dominion, Virginia, USA** |

- Interacted with visitors to the water park and ensured their safety in the water

- Forged bonds with both the local American employees and other international employees from Asia, Europe and South America

- Awarded "Guard of the Week"

| Aug 2004–
Mar 2006 | **_Section Commander_, 5th Battalion, Singapore Infantry Regiment (5SIR), Singapore Armed Forces** |

- Lead and ensured the operational readiness of a 7-person combat section

- Became adept at managing people, both amicably and with assertiveness

- Cultivated my passion for excellence and teamwork—exemplified through my platoon's emergence as top platoon in the battalion's "Stingray Assault Course", and my battalion being named "Best Infantry Unit" in the Singapore Armed Forces in 2006

Hobbies and interests

Self-directed Learning
I am an avid reader, a humble listener, and a voracious learner. For a framework on self-directed learning and to view records from my learning pursuits, check out my website at http://self-direct.info.

Skills

Project Management • Site Supervision • Engineering Design • Finite Element Analysis • Technical Writing • Fieldwork • Customer Service • Leadership • Team Management

Software

Excellent	Microsoft Office, OpenOffice, Internet and Email applications
Excellent	COMSOL—general finite element modeling
Good	Primavera, Microsoft Project—project management
Good	SIDRA—transportation and traffic modeling

Good AutoCAD, Bentley MicroStation and QCAD—drafting
Good BEAMD—beam design
Good USFOS—offshore structural modeling
Good ArcGIS, TNTmips and GRASS GIS—geographical information systems and remote sensing
Good Hydrus—groundwater and contaminant transport modeling
Fair STAAD.Pro—structural design
Fair Plaxis and SIGMA/W—geotechnical modeling
Fair HEC-RAS, EPANET—hydraulic and river flow modeling

Courses

2012 Building Construction Supervisors Safety Course, SCAL Academy, Singapore
2012 Project Management in Primavera P6, Crown Systems, Singapore

Languages

Native English
Native Tamil
Limited Chinese
Basic Malay

Publications

2011 Chui, T. F. M., Palanisamy, B., and **Mohanadas, H. C.** (2011). *Modeling Vegetation Dynamics in Response to Hydrological Changes in a Small Urban Tropical Freshwater Wetland*, Abstract H11E-1100, Presented at the AGU 2011 Fall Meeting, San Francisco, California, 5–9 Dec 2011

2009 **Mohanadas, H. C.** (2009), "Basic behaviour study of cement treated Singapore marine clay", *14th National Undergraduate Research Opportunities Programme Congress* (NUROP Congress 2009), National University of Singapore, 18 Feb 2009

Honours & awards

2009 Dean's List, Academic Year 2008/2009 Semester 2
2009 HDB Book Prize—2nd prize for a beam design competition