

Tom Thomas Masters Degree Student



13 March 1994



Zeunerstr 1F/209 Dresden, Germany: 01069



+49 17686516255



https://www.xing.com/profile/Tom_ Thomas32



tomkrony@gmail.com

Career Objective -

I want to work in a firm where I can deal with real world programming challenges . I want to use my knowledge and technical skills to improve the company growth and also to upsurge my skills and abilities for my professional growth.

Skills -

Finite Element Method

FORTRAN,C++,C, Python

Team Work, Quick Learner

AUTOCAD, STAAD, IESve, FEAP

Omni-optimizer

Researcher

Professional Experience

1/18-9/18 Research Assistant

Dresden,Germany

Under the Prof. Dr.-Ing. Raimar Joseph Scherer and Prof.Dr.Habil Karsten Menzel of Institut für Bauinformatik at Technishche Universität Dresden.

Topic: Energy simulation using IESve software

4/18-9/18 Research Assistant

Dresden, Germany

Under the guidance of Univ.-Prof.Dr.-Habil Michael Kaliske of Institut für Statik und Dynamik Tragwerke at Technishche Universität Dresden.

Topic: Finite Element Method with heirarchical meshes.

6/17-11/17Research Assistant

Dresden, Germany

Under the guidance of Univ.-Prof.Dr.-Habil Michael Kaliske of Institut für Statik und Dynamik Tragwerke at Technishche Universität Dresden.

Topic: Anisotropic hyper thermo elastic material model for FE simulation

6/16-8/16 Operations Executive

Kumily,India

I was in charge of the operations wing of the four star resort 'Greenwoods' at Thekkady, Kerala, India.

Topic: Improving the technical system of operations of the resort

Education

since 2016 M.Sc. ACCESS

Dresden, Germany

Majoring in Advanced Computation and Civil Engineering Structural Stuides from Technishche Universität Dresden.

2012-2016B.Tech. Civil Engineering

Palai.Indi

Majored in Civil Engineering from St.Josephs College of Engineering and Technology.

2007-2012High school

Kumily, India

Specialized in mathematics and computer science from Montfort Senior Secondary School.

Academic Qualification

COURSE	UNIVERSITY/BOARD	YEAR OF	PERCENTAGE
		PASSING	
Master of Science	Technische Universität, Dresden	Pursuing	1.5(current)
Bachelor of	Mahatma Gandhi University	2016	8.2
Technology			
Higher Secondary	Central Board Of Secondary	2012	78.8
	Education		
Secondary	Kerala State Board	2010	93

Awards and Achievements

2016	Third Position in t	the Digital marketing	g workshop conducted	by IIM
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2016 Participated in ISTE workshop on Green Building Awareness con-

ducted by IIT Bombay.

2016 Headed the St Josephs College basketball team and participated in

different zonal University Championships.

2016 Served as Chief Student Placement Coordinator of St Josephs College

of Engineering and Technology.

2009 Second Prize for Web Page Designing Competition(HTML) in the sub district talent quest.

[Interests]

- · Playing Basketball, Swimming, FIFA
- Driving

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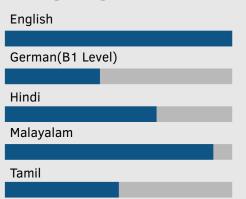


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Languages Known



Personal Details

Age 24 Years, 13/03/1994

Gender Male Nationality Indian

Father's nameMr. Thomas Mathew

Family Status Unmarried Passport Nr. Z2879416

Visa Status Valid Until April 2019

Masters Degree Thesis Work

Topic: Implementation of the Neumann-type boundary conditions within a decoupled thermo-elastic homogenization framework.

Homogenization and multi-scale approaches of structures with a heterogeneous material composition undergoing thermodynamical loading.

Programming languages and software programs using : C++, FORTRAN , FEAP Supervisors : Univ.-Prof.Dr.-Habil Michael Kaliske, Prof. Dr. Ing. Wolfgang Graf, Dr. Ing Robert Fleischhauer

Duration: 120 days (15.05.2018 - 17.09.2018)

Masters Degree Project Work

Topic: Implementation, verification and validation of an anisotropic hyper-thermo-elastic material model.

Existing hyper-thermo-elastic material description has to be implemented into a finite element code (FEAP).

Programming languages and software programs using: C++, FORTRAN, FEAP Supervisors: Univ.-Prof.Dr.-Habil Michael Kaliske, Dr. Ing Robert Fleischhauer Duration: 120 days (31.10.2017 - 21.02.2018)

Grade point awarded: 1.3

Bachelors Degree Project Work

Smart City Kottayam and design of a parking plaza at Kanjikuzhy.

The objective of this project is to make the Kottayam town to a smart city by introducing green city aspect, intelligent transportation system, multiple linkages, speed management, high way advisory radio, multiple use of streets, appropriate bicycle paths and sidewalks etc.

Bachelors Degree Seminar Work

Topic: Participatory Urban Planning

Participatory urban planning is the involvement of the general public into the planning and desgning phase of the public amenities. The priorities of people are being collected and analysed ina professional manner.

(INDUSTRIAL VISITS)

- Steel institute excursion. Visited the following places Arcelor Mittal Eisenhüttenstadt, Schweriner Anlagenbau, Deges Langenfelder Brücke, U4 Elbbrücken hamburg, SEH EIFFAGE Fertigung Hannover, Neubau Schleuse Zerben
- Thenmala Dam, Kollam, Kerala, India.
- PallivasalHydro Electric Power Plant,Idukki,Kerala, India.

Industrial Training(Internship)

At Johnsons Constructions, Coimbatore)

Industrial Training was conducted in the period from May 2014 to June 2014. Several site visits were conducted including the Police Headquarters. Construction of formwork, concreting of beams, slabs, columns were understood.