

Binit Kumar

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Concordia Student ID: 40172005

14-04-2022

Jasia Stuart

Library

Concordia University

Email: jasia.stuart@concordia.ca

Dear Jasia Stuart,

I am writing to apply for the position of **Technology Sandbox Assistant- Electronics/Programming Focus, Project Number: I-34051-11** as advertised on the Concordia website. I am currently a graduate student at Concordia pursuing master's in applied computer science and approved for participation in the Work-Study Program for 2022-2023 academic year.

Prior to enrolling in Concordia University, I was working as a Senior Software Engineer at Harman Connected Service, subsidiary of Samsung Electronics in Pune, India. I have total work experience of six years where I have worked with different stakeholder including peers, clients, managers, and interns. This experience has taught me communication skills in professional settings where I can multitask and outreach stakeholders of varied interest.

I am also a paid active mentor at Udacity where I guide and answer students online in an advanced Deep Learning course as well as review their project submission. In addition, I do have an experience of teaching technical course as a guest lecture in MIT WPU University, Pune India. I always enjoy working and helping students.

I have enclosed my curriculum vitae below and would like to get a chance to work in Library for above-mentioned position. If you require any additional information, please feel free to contact me. Thanks for your time and consideration.

Yours Sincerely,

Binit Kumar

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Skills

Development: Android, Java, Python, Unix

Other: Python, Embedded Platforms

Professional Experience

- **Harman Connected Services** *Senior Software Engineer, April 2014 – August 2020*
 - Developed Android modules for device management and FOTA update using Marimba technologies.
 - Developed log-collector, analysis and prediction modules using Elastic Search and Logstash
 - Developed low-cost proxy server on Raspberry Pi that integrates with Marimba components
 - Ported Marimba components to Linux ARM embedded platform
 - Ported RSA-SSL modules to pure Java SSL implementation to support TLS 1.2 in Marimba – owned resolution tasks of escalations/defects/RFEs from support team
 - Provided technical training, POCs, and conducted interviews for Dev, QA and support roles
- **Udacity** *Independent Consultant, October 2017 - Present*
 - I mentor and review projects of students enrolled in Deep Learning Courses at Udacity

Projects

- **MOOC Projects** *Student, August 2016 - June 2018*
 - Udacity Flying Car Nanodegree - completed backyard-flyer, motion-planning, flight-controller and estimation projects
 - Udacity Android Nanodegree - completed the-moviedb-app, baking-app and waxtree-app projects.
- **OpenWARP** *Opensource Contributor, August 2016 - October 2016*
 - In series of paid challenges from Topcoder, I have created installer for Windows, Linux and Mac.
 - created test scripts to test geometries by porting third party libraries, bug-fixing and documentation.
- **Stanford Scholar Initiative** *DRI, December 2016 - January 2017*
- **Beacon - final year project** *Student, August 2012 - April 2013*

Education

Concordia University Montreal, Canada
MACS, Computer Science *January 2021 – Current*
Courses: Advanced Algorithms, Advanced Programming Practices, Distributed System Design

Publications

- **Academic research paper:** Genetic Approach to Travelling Salesman Problem.

Awards

- Gold Medal (2013, awarded to top candidates of the graduating batch)