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Summary

I am a self-taught programmer. I have experience working on web-based applications, especially web-frontends for rich internet applications. I would like to work as a part of a small team on a web-based, user-centric product.

Work Experience

G-Node, INCF at LMU, Munich | Developer

December 2011 - November 2012

Wrote a javascript profiling tool and tests using it to benchmark web-plotting libraries. Wrote a Javascript library using the SVG API and d3 for plotting of multiple time-series in a dynamic and event driven architecture. Working on a rich-internet-application that manages and displays electrophysiological experimental data and metadata.

Soft Computing Lab, IIT Kharagpur

August 2012 - present

I am working on a Spiking Neural Network implementation that runs on the Nvidia CUDA platform.

International Neuroinformatics Coordinating Facility | Student Developer

Summer 2011

Worked with the German Node of INCF, as a **Google Summer of Code** Student developer, on building a Data Analysis Tool specifically tailored to handle multi-channel time series data. The application was developed using the Google Web Toolkit.

Dataresolve Technologies, Kolkata | Development Intern

Winter 2010

Researched and implemented a prototype, from the ground-up, of a document security layer over Google Docs. Development was done in python/django using Google Data APIs.

Being a startup environment, this internship improved my technical communication skills, also adding to my experience with product-design and conceptualization.

Proficiencies

Javascript, Python, Java, CUDA-C, C (in decreasing order of experience). I also have a strong grasp of the web-development lifecycle and version control.

I find myself increasingly interested in the application of Typography to web-pages and also in responsive-design.

Education

Currently enrolled in a B.Tech in Mechanical Engineering at the Indian Institute of Technology, Kharagpur CGPA at the end of seven semesters: 7.52

Expected Graduation : 2013