Yaroslav Sergienko

Cover letter and project descriptions required for the **Bloomberg Graphics Internship.**

My name is Yaroslav and I am a junior full-stack developer
specializing in data visualization.

My extensive portfolio is available to view at:
http://pallada-92.github.io/

I've selected three projects to show:

– "Office communications analysis"
   https://pallada-92.github.io/portfolio/#habidatum-2017   [source]

   I was responsible for data visualization and (partially)
   data analysis, made a lot of static visualizations,
   two web apps and one video in fast-paced work environment.

– "Heat maps of soccer players"
   https://pallada-92.github.io/portfolio/#instat-2017   [source]
   I've implemented a small javascript library for high-quality
   heatmap visualization. Its output is highly customizable: all
   types of heatmaps that I've found on the web were implemented.

– "Interactive NYC subway map"
   https://pallada-92.github.io/portfolio/#subway-2014

   It is an old project I did as a part of TUNEL.us website.
   The most interesting aspect is how geometry data is stored.
   It is a set of equations like "the line from that station
   to this should have angle 45 degrees" or "theese two lines
   should be parallel and close to each other". This made it
   possible, for example, to dynamically change line width.
   I worked in a team with a designer, product owner and
   iOS developer.

I can do all types of work for the development of data-oriented web
applications, from web scraping, exploratory data analysis, to
deployment and writing custom shaders. I can do visualizations in
different formats: static image, PDF, video, interactive 2d and 3d.

During internship at Habidatum, I realized that 3d visualization is a
powerful way to show the evolution of spatial data in time.

I am final year bachelor's degree student in computer science (Russia).
I was looking for a summer internship where I could leverage my skills.
Your summer graphics internship interests me greatly.

Sincerely,
Yaroslav Sergienko