Aleksander Lopatin

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Objective

A summer internship position with some responsibility over unique technical challenges where experience in front or back end web development, data management, or strong programming/CS fundamentals are needed.

Education

University of Illinois at Urbana-Champaign   *Expected Graduation: May 2013*
  • B.S. in Computer Science Engineering

Experience and Projects

StudyCloud (mystudycloud.com)   *November 2011 – Present*
Technical Co-founder
  • A real-time learning management system in Node.js
  • Developed core features, group and video chat, and document cloud

SliderTabs (lopatin.github.com/sliderTabs/)   *January 2012 - Present*
Owner
  • A customizable jQuery plugin for responsive sliding tabs

UIUC Department of Crop Sciences   *October 2010 – May 2011*
Developer
  • Assisted in developing software that helps researchers manage and analyze collections of thousands of Small RNA sequences found in soybeans.
  • Developed in Python and extended the wx GUI library

StatsOnStats.com   *June 2011 – December 2011*
Technical Co-founder
  • A search engine for various basketball statistics from current scores to historical analysis.
  • A web scraper which has fetched over one million rows of NBA statistics
  • Run automated Selenium tests to ensure code commits don't break anything

Acacia Fraternity   *September 2010 – May 2011*
Two time web chair
  • Managed the Acacia website. A role which was vital in the recruitment of the 2014 Fall and Spring clas

Selected Skills and Accomplishments

  • Java (6 years), C/C++ (3 years), PHP, SQL, Python, Javascript, HTML, and CSS (5 years)
  • 3 years of experience with Photoshop and 3d graphics software like 3ds Max, Rhino, and V-Ray
  • Lead developer of the UIUC 2011 Startup Weekend 2nd place winning team
  • A slab based memory allocation algorithm in C for an which performs within 140% of the standard libc malloc implementation in all benchmarks including internal fragmentation and allocation speed.
  • Fluent in reading and speaking Russian. Limited ability to write in Russian.