

ZAC IOANNIDIS

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previous

Infographics.com

Software Engineer Intern

Developed an interactive visualization for the Boston Consulting Group as part of a small team. Worked with D3, AngularJS, Node.js, and MongoDB.

University of Bristol

Web Developer

Created an interactive data visualization framework enabling collaboration on large datasets in the cloud and subsequent analysis of data.

Children's Hospital of Philadelphia

NAPCore Facilities Intern

Phylogenetic analysis of the mitochondrial DNA of a group of feline species in order to determine the evolutionary path of the Snow Leopard.

education

University of Texas at Austin, USA — 2014-2015

Computer Science Major — Current GPA: 4.0

Relevant Coursework: Computer Graphics, Data Science, Big Data Programming, Visual Effects and Animation

University of Bristol, UK — 2012-2016

Integrated MEng in Computer Science with Year Abroad — Average: Upper Second Class Honours

Relevant Coursework: Software Engineering, Data Mining, Databases, Algorithms

skills

fresh and adept: Javascript, AngularJS, Node.js, Processing, Java, Hadoop, SQL, Maya, Adobe After Effects

rusty but experienced: D3, Matlab, R, Haskell, Python, C

projects

tabletalk.io (ongoing)

Designed and developed a revamped website for the magazine, which will enable users to read articles from the print version online. The back end features an annotation system for the articles and is built on top of a CMS (KeystoneJS). Expected launch date: Jan 2015.

NY Citibikes

An interactive application visualizing citibike transportation and usage data in New York City. The application utilizes a REST architecture implemented using Node.js, Express and MongoDB.

Medicare Data Analysis (Data Science — University of Texas at Austin)

Analysis and predictive modelling of open Medicare datasets using R, Tableau, and Oracle Data Miner.

Breakout (Object-Oriented Programming — University of Bristol)

Developed a clone of the famous Atari game, released in 1976. Written in Java using the Swing GUI library.

CAMLE (Language Engineering — University of Bristol)

Compiler for a procedural language written in Java.

ARM THUMB ISA (Computer Architecture — University of Bristol)

ARM processor emulator written in Verilog.

interests

Outside of school, I am fascinated by the intersection of technology and art through the context of creative coding. I enjoy programming generative artworks and exploring alternative methods of interfacing users' actions with the software. Furthermore I am currently in the process of directing a short movie and composing the accompanying music.