Varun Vachhar

Front-End Developer

w: lambdafunction.ca

g: github.com/winkerVSbecks

d: dribbble.com/winkerVSbecks

s: stackoverflow.com/users/1365008/winkervsbecks

Objectives

To obtain a challenging and rewarding position where I can further my career as a front-end developer, and to utilize cutting-edge technology in a functional and aesthetically pleasing manner to create online experiences that are both innovative and effective.

Skills

Front-end: Javascript, Angular.js, HTML5, CSS3, LESS/SASS, Wordpress, Twitter Bootstrap, Zurb Foundation, Grunt, Canvas/WebGL, Processing.js, Two.js and Three.js
Back-end: Node.js, mongoDB, Python, Google App Engine and PHP
Other: iOS SDK, Objective-C, cocos2D, Git, Processing, OpenFrameworks and Arduino

Experience

Freelance Projects   *(2010 - present)*

Interface Designer & Developer for **Motiph**

> Moti is a smart servo motor that you can control from your phone, tablet, or any computer. As one of the co-founders of mMotiph, I was responsible for designing and developing a browser-based application which allows users to control the motors.
>
> *Angular.js, jQuery, Canvas, Bootstrap, LESS, Skeleton CSS Framework*

Flyer Drop for **Queue Media** and **YUM!**

> A tool for Yum! Restaurant franchisees to streamline the process of targeted marketing. The app allows them to create promotions, deliver flyers to specific postal delivery routes and later evaluate the effectiveness by overlaying the sales data.
>
> *Angular.js, Bootstrap, Node.js, Google Maps API, mongoDB*

Yum! Promo Centre for **Queue Media**

> Point-of-sale system that allows franchisees to easily customize and order promotional print material.
>
> *Python, Google App Engine, Bootstrap*

What's Your News? Music Maker for **TT Animation (WYN) Ltd.**

> A creative iOS app that lets kids take their picture, sample their voice, and join the music. For the CBC television show What's Your News?
>
> *iOS SDK, cocos2D, Xcode, Objective-C, Mercurial (version control)*

Touch Table Installation for **New Balance**

> An interactive touch-table showcasing New Balance's new line of shoes. Unique app content is launched based on user placed AR tags.
>
> *C++, Cornerstone SDK, MultiTaction Cell Displays*

What's In a Motor?

> A website built to visualize the beauty and explain the working principles of a simple electric motor.
>
> *HTML, CSS, jQuery, Adobe After Effects, Photography*

F#KX Wordpress and Tumblr Theme

> A minimal two column Wordpress theme which focuses on content and not distractions.
>
> *Wordpress, HTML, CSS, jQuery*

Interactive Installation for **PICNIC**

> An installation commissioned by PICNIC for their event: An Amsterdam PICNIC @ WCIT 2010. It was built in collaboration with Dutch artist Mark Ridder and focuses on the interaction of the user with a graphic grid.
>
> *Processing, OpenCV*

Full-Time

Junior Engineer at **Horton CB&I**   *(2008-09)*

> Field Engineer at the SUNCOR, Firebag project
> Field Engineer at the Shell Albian Sands project
> Design Engineer at the Niagara-on-the-lake office
>
> *ANSYS, Visual Basic, MicroStation*

Internships

Design Engineer at **CCI Thermal Technologies**   *(Jan - Mar, 2008)*

> I was a part of a team that designed a system to provide the activation energy required to start up a gas powered catalytic heater – independent from the existing power grid.
>
> *ANSYS, Solidworks, MathCAD, Engineering Design*

Front-End Developer at **INTK**   *(Aug - Dec, 2011)*

> I designed the project identity and assisted in the development of unCloud. It is an application that enables anyone with a laptop to create an open wireless network and distribute their own information – without being dependant on a remote data centre and/or network.
>
> *HTML, CSS, Javascript, Python, Apple Script*

Side Projects

- The Receipt Site – winkervsbecks.com/receipts
- 'Now In 3D' – nowin3d.org
- Chaos Theory - vimeo.com/23056893
- Cover Art for FM Belfast - 'underwear'
- T-shirt design for 2BOP
- Console Font – winkervsbecks.com/consolefont

Education

- Interactive/Media/Design Programme *(2009 - 2013)*
  Royal Academy of Art (KABK), the Hague, the Netherlands
- B.Sc. Mechanical Engineering *(2004 - 2008)*
  University of Alberta, Edmonton, Canada
- International Summer School: On the cutting edge of sustainable energy *(2007)*
  Technical University of Freiberg, Germany