Abhay **Vaidya**

COMPUTER SCIENCE & SOFTWARE ENGINEERING STUDENT

(647) 529 4244 | abhay.vaidya@mail.utoronto.ca | www.abhayvaidya.com | abhay-vaidya | abhay-vaidya

Skills

Technical

PROGRAMMING LANGUAGES AND TOOLS

- Fluent in developing with **Python** (5 yrs), **Java** (4 yrs), **C** (2 yrs), **C++** (4 yrs), **HTML**+**CSS** (3 yrs), **JavaScript** (2 yrs), and **LaTeX** (2 yrs)
- Experienced in **Android development** (3 yrs) with concrete knowledge of **XML layout design** from building several full-scale applications
- Highly proficient in industry-standard production software from 5+ years of self-learning
    - Full Adobe suite (**Photoshop**, **Illustrator**, **After Effects**, **Experience Design**, etc.), **Maxon Cinema 4D**
- Competent in version control tools, including **Git** (4 yrs) and **SVN** (2 yrs)
- Familiar with software development tools (**Slack**, **Trello**) and processes (**Agile**, **Waterfall**, **Scrum**)
- Experience with setting up and developing in virtualized environments with **Docker**
- Strong background in **JUnit** (Java) and **unittest** (Python) testing frameworks
- Working knowledge of **SQL** and **SQLite** database systems
- Extensive knowledge of desktop **computer hardware** from 6+ years of building PCs

Interpersonal

PEOPLE SKILLS

- Excellent **oral** and **written communication skills** from lecturing students and working closely with clients and peers
- Strong ability to **solve problems** under strict time and resource constraints from hackathon and coding competition experience
- Exceptional ability to contribute, listen, and adapt as a **team player** from group projects and hackathons

Education

University of Toronto
Toronto, Ontario

THIRD YEAR, HONOURS BSc, COMPUTER SCIENCE SPECIALIST IN SOFTWARE ENGINEERING CO-OP + MINOR IN STATISTICS
September 2016 - Present

- **Dean's List** for outstanding academic achievement
- cGPA: **3.58**/4.00
- Highlighted coursework:
    - Software Design, Software Tools and Systems Programming, Introduction to the Theory of Computation, Introduction to Software Engineering, Computer and Network Security

Highlighted Projects

Oak
UofT Web Development Club

FRONT-END DEVELOPER
May 2017 - Present

- Surveyed student needs and wants to ultimately begin development as a team of five on a web-based tool for students to better plan schedules and access reviews for courses and professors at UofT
- Implemented **Test-Driven Development** (TDD) methodology to ensure simpler design of code and minimal degradation of existing features
- Integrated **React.js** framework for front-end development and developed **NPM** scripts for package management

BettridgeBank

FULL-STACK ANDROID DEVELOPER
June - July 2017

- Utilized over four years of **Java** knowledge to develop **Android** banking application for administrators, tellers, and customers to manage accounts and users stored in **SQLite** database
- Implemented **Agile** software development techniques, such as **Scrum** and **Feature-Driven Development** (FDD) in a team of four to ensure maximum efficiency and productivity
- Devised over 85 test cases using **JUnit** for mission-critical functions and interfaces to ensure manipulation of user and account data was functional and secure
- Designed highly-custom layouts in **XML** for an optimal user experience

DogGo
Hack the Valley

Front-end Developer
January 2017

- Examined use-cases for small food vendors on campus to build an order-taking **chatbot** for customers using **Microsoft Azure** and **Recast.ai** and an interactive web app for vendors to handle orders
- Winner of "Best Designed Hack" at Hack the Valley 2017

Buddi
Toronto Animal Services

Full-stack Android developer
April - May 2016

- Worked closely with City of Toronto to evaluate current municipal issues and build a specialized mobile solution in a team of four while following **Agile** development methodologies
- Utilized **Android** and **Java** knowledge along with **network protocol** and **API** proficiency to build a pet and owner matchmaking app and accompanying web app designed to make the adoption process easier and help alleviate overburdened resources at Toronto Animal Services
- Constructed **Laravel-based REST API** that the Android application can interact with through CRUD (Create, Read, Update, Delete) operations

Work Experience

Front-End Development Consultant
University of Toronto Scarborough

TAid
November 2017 - Present

- Work alongside computer science professor and upper-year student to engineer web-based staff and student management application
- Develop user flows, wireframes, mockups, and prototypes while providing advice on user-facing features

Web, Graphic, & Motion Designer
Toronto, Ontario

Freelance
August 2013 - May 2015

- Analyzed client needs to produce quality web, graphic, and motion design projects on time for over 10 clients under strict deadlines and constant requirement changes
- Produced highly-detailed project proposals outlining every step of design and development process ensuring an excellent client-designer relationship
- Projects included websites, UI mockups, posters, business cards, and full brand identities

Extracurricular Activities & Hobbies

Lecturer & Designer
University of Toronto Scarborough

Computer Science Enrichment Club - Web Division
April 2017 - Present

- Lecture over 50 students monthly about core web development topics, such as HTML, CSS, and responsive design
- Facilitate smaller group discussions about developing thoughtful user experiences with an emphasis on designing for the web
- Work closely with division leaders and other executive members to develop the club's websites and produce promotional material

Head of Web & Media
Woburn Collegiate Institute

Team Zephyros, F1 in Schools
September 2015 - May 2016

- Collaborated in a self-organized team of six students with varying roles for a year-long international F1 in Schools engineering project to design and manufacture a miniature Formula One car
- Designed and created 20-page team portfolio, multiple sponsorship proposals, large-scale pit-displays, and 3D renders, while building/maintaining the team website
- Won 1st place in 2015 F1 in Schools Ontario Regional Championship, 2nd place in 2015 F1 in Schools National North American Finals, and the National Sponsorship and Marketing Award

Hackathon Competitions

Hobby

- Participated in several 36 to 48-hour hackathon competitions in teams of four to produce mobile and web solutions for issues in the financial, healthcare, and education sectors under limited time and resources