

# Ian Albuquerque Raymundo da Silva

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## Education:

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### **University of California, Berkeley** (August 2015 - Present)

- One-year exchange program granted by the Brazilian government with full scholarship
- Relevant coursework: Artificial Intelligence (with Stuart J. Russel), Computational Photography (with Alexei Efros) and Introduction to Robotics (with Ruzena Bajcsy)

### **Pontifical Catholic University of Rio de Janeiro (PUC-RIO)** (January 2013 - Present)

- Bachelor degree in both Computer Engineering and Mathematics (Expected Graduation: December 2017)
- Relevant coursework: Computer Graphics, Real Analysis, Electric Circuits, Signals and Systems, Reactive Programming, Advanced Data Structures, Formal Languages and Automata, Assembly and Databases
- GPA: 3.5 out of 4.0 (Grades: 8.9 on a 10.0 unweighted scale) (Class rank: 16 out of 1813 as in 2015)

### **The American Language Institute (on San Diego State University)** (July 2014 – August 2014)

- Six weeks Intensive English and Business for Global (BGP) Practices Program
- Research on circular dependencies when seeding platforms and communities (chicken and egg problem)
- GPA: 4.0 on a 4.0 scale

### **ORT Institute of Technology – Rio de Janeiro** (January 2010 – December 2012)

- Professional degree in Information Technology with emphasis on Programming
- Best Programming Student achievement in 2010, 2011 and 2012

## Professional Experience:

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### **Scientific Research in Computer Graphics for Web at PUC-RIO** (February 2014 – August 2015)

- Developed an API for 3D surfaces visualization with WebGL and JavaScript using Marching Cubes
- Scholarship granted by the Institutional Program of Scientific Initiation Scholarships (PIBIC)

### **Linear Algebra Teacher's Assistant at PUC-RIO** (July 2013 – December 2013)

- Assisted PUC-RIO's faculty by teaching Linear Algebra

## Other Activities and Recognitions:

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### **Member of PUC-RIO's Teams for Programming Contests** (June 2013 – August 2015)

- Invited to collaborate with the university team since High School
- Represented PUC-RIO in the International Collegiate Programming Contest (ICPC)
- Qualified as part of PUC-RIO's team for the 2013 nationals, representing Rio de Janeiro

### **Volunteer Professor at academic assistance project "PucQuePariu!"** (August 2014 – August 2015)

### **Bronze Medal on Brazilian Olympiad in Informatics (OBI)** (September 2011)

## Projects:

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### **Computational Photography Mini Projects (U.C. Berkeley – Current):**

Mini projects involving filters, seam carving, morphing, light fields, panorama stitching and object matching.

### **Explorer Robot (U.C. Berkeley – Current):**

Mapping robot with deployable connection nodes for signal extension. Python. Zumys. ROS.

### **HackedVision (CalHacks 2.0 – 2015):**

Augmented reality virtual screen with gesture positioning. C++. DirectX11. Oculus Rift (SDK2). Leap Motion.

### **MeuMédico.com (HackPUC – 2014):**

Medical web application for managing appointments. Ruby on Rails. JavaScript.

### **CubeColor (PUC-RIO – 2013):**

Wearable computing interactive game for color matching with Arduinos.

### **SmartQueue (ORT – 2012):**

A web application for viewing, managing and entering restaurant queues. Java. JSP. HTML5. JavaScript.

## Programming Languages and Technologies:

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- C, C++, Python, Java, JavaScript, HTML, CSS, PHP, Assembly, Lua, Céu, SQL, JSP
- OpenGL, WebGL, SDL, Arduino, MySQL, PostgreSQL, Ruby on Rails

**Language Skills:** Portuguese (Native), English (Fluent), Spanish, French and Hebrew