

# Andrew Toshiaki Nakayama Kurauchi

## Resume

### RESEARCH INTERESTS

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Computer vision; Human-computer interaction;  
Eye tracking; Assistive technology.

### EDUCATION

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- 2007 – 2011 **University of São Paulo**  
**São Paulo, SP, Brazil**  
B.SC. IN COMPUTER SCIENCE
- 2012 – PRESENT **University of São Paulo**  
**São Paulo, SP, Brazil**  
PH.D. CANDIDATE IN COMPUTER  
SCIENCE  
*Advisor: Prof. Carlos Morimoto*
- 2014 – PRESENT **Boston University**  
**Boston, MA, USA**  
VISITING PH.D. STUDENT  
*Advisor: Prof. Margrit Betke*

### AWARDS

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- 2013 – 2016 **São Paulo Research Foundation**  
**grant 2013/06791-0**  
*Full Ph.D. scholarship*
- 2014 – 2015 **São Paulo Research Foundation**  
**grant 2014/12048-0**  
*Research internship abroad*

### PUBLICATIONS



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**Kurauchi, A. T. N.**; Tula, A. D.; Morimoto, C. H.  
“Facilitating Accessibility and Digital Inclusion Us-  
ing Gaze-Aware Wearable Computing”. *XIII Bra-  
zilian Symposium on Human Factors in Computer  
Systems, IHC'14*. Foz do Iguaçu, Brazil, Oct. 2014.

**Kurauchi, A. T. N.**; Tula, A. D.; Morimoto, C. H.  
“Método de Calibração de Rastreadores de Olhar  
Móveis Utilizando 2 Planos Para Correção de Par-  
alaxe”. *XXIV Brazilian Congress on Biomedical En-  
gineering, CBEB'14*. Uberlândia, Brazil, p.2683-  
2686, Oct. 2014.

Tula, A. D.; **Kurauchi, A. T. N.**; Morimoto, C. H.;  
Veitzman, S.; Ianof, J. N. “Sistema Móvel de Baixo  
Custo Para Rastreamento do Olhar Voltado à Iden-  
tificação de Disfunções Oculomotoras”. *XXIV Bra-  
zilian Congress on Biomedical Engineering, CBEB'  
14*. Uberlândia, MG, Brazil, p.2830-2833, Oct.  
2014.

**Kurauchi, A. T. N.**; Morimoto, C. H.; Mardanbegi,  
D.; Hansen, D. W. “Towards Wearable Gaze Sup-  
ported Augmented Cognition”. *Proc. of the*

 <http://cs-people.bu.edu/kurauchi/>  
 [kurauchi@bu.edu](mailto:kurauchi@bu.edu)

*CHI 2013 Workshop on Gaze Interaction in the Post-  
WIMP World*, Paris, France, Apr. 2013.

Tula, A. D.; **Kurauchi, A. T. N.**; Morimoto C. H.  
“Facilitating Gaze Interaction Using the Gap and  
Overlap Effects”. *CHI '13 Extended Abstracts on  
Human Factors in Computing Systems*. Paris, France,  
Apr. 2013.

### SOFTWARE

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**Haytham-Linux: Head-Mounted Gaze Tracker**  
<https://bitbucket.org/toshikurauchi/haytham-linux/>

### PROFESSIONAL EXPERIENCE

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2010 – 2012

**Caelum** (<http://www.caelum.com.br/>)  
São Paulo, SP, Brazil  
*Software engineer and instructor*

- Teaching object-oriented programming, and  
Android app development
- Java web development with VRaptor.

### TEACHING EXPERIENCE

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SEP. 2012 – DEC. 2012 **Teaching Assistant**  
**University of São Paulo**  
*Principles of Algorithm  
Design*

MAR. 2013 – JUN. 2013 **Teaching Assistant**  
**University of São Paulo**  
*Introduction to Com-  
puter Graphics*

### VOLUNTEER EXPERIENCE

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MAR. 2012 **2014 Symposium on Eye Track-  
ing Research and Applications**  
**Safety Harbor, FL, USA**  
*Student volunteer*

2011 **AGENTE**  
**São Paulo, SP, Brazil**  
*Math teacher in a preparatory com-  
munity course for university en-  
trance exams*