

JIRI T.D. OEN

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EDUCATION

- 2011 - present
Master of Science: Physics - Track: Advanced Matter and Energy Physics
Van der Waals-Zeeman Institute
Faculteit der Natuurwetenschappen Wiskunde en Informatica
University of Amsterdam
- 2007 - 2010
Bachelor of Science: Physics & Astronomy
Faculteit der Natuurwetenschappen Wiskunde en Informatica
University of Amsterdam
- 2001 - 2007
High School: Vossius Gymnasium
Major subjects: Mathematics, Physics, Chemistry, Biology, Greek
Amsterdam

PROFESSIONAL EXPERIENCE

Lyceo Examentrainingen (2009 - Present)

Recruitment & Selection

- Took interviews to find suitable instructors.

Icon Eyewear (2006 - 2007)

Warehouseman

- Re-packed sunglasses.
- Managed logistics and distribution.

Spitz Oen Co-operations (2004 - 2006)

Owner, Head of hardware department

- Managed Finance and Marketing.
- Assembled computers and computer parts.

Part Time and Holiday Jobs (2003 - 2007)

Various Jobs

- Supermarket employee at Albert Heijn.
- Catering work at several firms.

TEACHING EXPERIENCE

University of Amsterdam (2009 - 2010, 2010 - 2011 & 2012)

Teaching Fellow

- Taught *Quantum Physics 2* to second year Physics students.
- Taught *Academische Basiscompetenties*(ABC) and *Klassieke mechanica 1* to first year Physics students.
- Advised students on Tips & Tricks about how to study efficient and helped with their difficulties.
- Advised the university about students' potential.

Geert Groote College Amsterdam (2009 - 2010)

High School Teacher

- Taught Physics at High School exam level.

Lyceo Examentraining (2009 - Present)

Instructor

- Instructed Chemistry during a three day program to prepare for final High School exam.
- Coördinated the program on location.
- Developed the training material used during the training such as powerpoint presentations, problems and solutions.

Lyceo Examentraining (2008 - 2009)

Teaching Fellow

- Assisted the instructor during the day. (2008)

Instituut de Leeuw (2008 - Present)

Private Teacher

- Taught students who need more help on individual level.

EXTRA CURRICULAR ACTIVITIES

De Kleine Consultant (2012 - present)

Consultant

- Strategy consultant for non-profit student organization, consulting mainly starting entrepreneurs.

University's Education Committee for Physics and Astronomy(OCNS) (2010 - present)

Student Member

- Discussed and evaluated the quality of the education in the physics' bachelor and master program in a committee containing of six professors and six students.

Association Board of *Natuurwetenschappelijke Studievereniging Amsterdam* (NSA) (2011)

Commissioner of Education

- Served the Mathematics and Physics student association for one year.
- Maintained the contact between the association and the university.
- Webmaster and supervisor of the association's books sale.

Additional workshops & courses

- *Consultancy Event* including workshops by Boston Consultancy Group and AT Kearney
- *Authentic Speaking* by Piet Hurkmans
- *Education and Communication* by Lodewijk Koopman
- *Teacher Training* at Lyceo Examentrainingen

SCIENTIFIC OUTPUT

Publications

- Multiband quasiparticle interference in the topological insulator $Cu_xBi_2Te_3$. E. van Heumen, S. Johnston, J. Kaas, N. de Jong, F. Massee, J. Oen, E. Rienks, A. Varykhalov, J.B. Goedkoop, Y. Huang, M.S. Golden, arXiv:**1110.4406v1** (2011)

Undergraduate Research

- *Bachelor Thesis* Topological Insulators analyzed by Angle-Resolved Photo Emission Spectroscopy At the Van der Waals-Zeeman Institute (WZI) *Supervised by Prof. Dr. Mark Golden and Dr. Erik van Heumen*
- *Second Year Project* The necessity of Relativistic corrections on the Global Positioning System At the Institute for Theoretical Physics Amsterdam (ITFA) *Supervised by Prof. Dr. Erik P. Verlinde*
- *Research Project* Highly Ordered Pyrolytic Graphite analyzed by Scanning Tunneling Microscopy At the Van der Waals-Zeeman Institute (WZI) *Supervised by Dr. Jeroen B. Goedkoop*
- *Condensed Matter Labs* The effect on LEDs by photoluminescence and electroluminescence At the Van der Waals-Zeeman Institute (WZI) *Supervised by Prof. Dr. Hab. Tom Gregorkiewicz*

SKILLS

- **Lab:** ARPES, STM, NMR, LASER-experiments, Superconductivity-experiments
- **Hardware:** Assembling PCs
- **Programming:** C
- **Applications:** T_EX, L^AT_EX, B_IB_TE_X, Mathematica, Origin, MS Word, MS Excel, MS Powerpoint
- **Operating Systems:** MS Windows 98, MS Windows XP, MS Windows 7, Linux Fedora, Linux Ubuntu, MacOS 7-10
- **Drivers licens:** AM(*Moped/Scooter*), B(*Car*)

INTERESTS

- **Academic:** Relativity, Quantum Gases, Solid State Physics
- **Sports:** Road Cycling, Spinning, Fitness, Wushu, Taekwondo
- **Other:** Cooking, Beginner-level Chess, Science Fiction